

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041119\
 Data File : VX008846.D
 Acq On : 11 Apr 2019 12:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:45:40 AM

Quant Time: Apr 12 07:43:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	188470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	298830	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	112373	40.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.76%	
35) Dibromofluoromethane	5.49	113	83880	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
50) Toluene-d8	8.71	98	339990	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
62) 4-Bromofluorobenzene	11.13	95	128210	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	136564	62.949	ug/l	98
3) Chloromethane	1.32	50	160006	60.537	ug/l	100
4) Vinyl Chloride	1.40	62	145946	49.765	ug/l	99
5) Bromomethane	1.64	94	80028	55.191	ug/l	99
6) Chloroethane	1.71	64	83006	51.944	ug/l	98
7) Trichlorofluoromethane	1.92	101	163809	50.529	ug/l	99
8) Diethyl Ether	2.18	74	72228	46.982	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	107868	51.681	ug/l	98
10) Methyl Iodide	2.51	142	117100	60.673	ug/l	99
11) Tert butyl alcohol	3.06	59	147232	228.777	ug/l	100
12) 1,1-Dichloroethene	2.37	96	105528	48.432	ug/l	98
13) Acrolein	2.29	56	98215	307.776	ug/l	98
14) Allyl chloride	2.72	41	246363	49.391	ug/l	99
15) Acrylonitrile	3.14	53	393143	230.595	ug/l	99
16) Acetone	2.45	43	330159	208.524	ug/l	99
17) Carbon Disulfide	2.56	76	325559	51.768	ug/l	100
18) Methyl Acetate	2.77	43	170345	44.361	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	388087	49.874	ug/l	98
20) Methylene Chloride	2.85	84	123604	46.638	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	113228	48.043	ug/l	95
22) Diisopropyl ether	3.85	45	468802	48.763	ug/l	99
23) Vinyl Acetate	3.81	43	2114357	252.809	ug/l	99
24) 1,1-Dichloroethane	3.69	63	231370	48.608	ug/l	99
25) 2-Butanone	4.67	43	578755	231.274	ug/l	99
26) 2,2-Dichloropropane	4.57	77	174154	51.947	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	128302	47.350	ug/l	99
28) Bromochloromethane	5.01	49	106506	53.795	ug/l	99
29) Tetrahydrofuran	5.12	42	380435	229.047	ug/l	99
30) Chloroform	5.21	83	207441	48.793	ug/l	99
31) Cyclohexane	5.57	56	238384	50.191	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	173603	50.531	ug/l	99
36) 1,1-Dichloropropene	5.80	75	168458	51.571	ug/l	99
37) Ethyl Acetate	4.83	43	221253	50.745	ug/l	99
38) Carbon Tetrachloride	5.78	117	146236	54.090	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220210	54.572	ug/l	99
40) Benzene	6.14	78	501464	51.531	ug/l	99
41) Methacrylonitrile	5.04	41	125206	49.958	ug/l	99
42) 1,2-Dichloroethane	6.19	62	175469	50.297	ug/l	100
43) Isopropyl Acetate	6.44	43	359069	52.571	ug/l	99
44) Trichloroethene	7.21	130	119531	52.738	ug/l	98
45) 1,2-Dichloropropane	7.51	63	141609	50.983	ug/l	100
46) Dibromomethane	7.66	93	79570	49.394	ug/l	97
47) Bromodichloromethane	7.90	83	160666	52.896	ug/l	98
48) Methyl methacrylate	7.77	41	183222	53.031	ug/l	99
49) 1,4-Dioxane	7.74	88	59964	926.482	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1145843	260.608	ug/l	100
52) Toluene	8.78	92	305842	53.309	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	193371	56.833	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	213328	54.872	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	118839	51.604	ug/l	99
56) Ethyl methacrylate	9.18	69	227080	54.498	ug/l	99
57) 1,3-Dichloropropane	9.37	76	214334	51.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	461140	216.741	ug/l	99
59) 2-Hexanone	9.49	43	872080	255.221	ug/l	99
60) Dibromochloromethane	9.58	129	119918	55.259	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123457	51.496	ug/l	99
64) Tetrachloroethene	9.34	164	108746	53.088	ug/l	98
65) Chlorobenzene	10.13	112	314188	51.265	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	111963	52.075	ug/l	99
67) Ethyl Benzene	10.25	91	596194	52.170	ug/l	99
68) m/p-Xylenes	10.36	106	435503	105.988	ug/l	99
69) o-Xylene	10.69	106	212087	53.261	ug/l	98
70) Styrene	10.71	104	371542	54.128	ug/l	100
71) Bromoform	10.85	173	89131	54.279	ug/l #	99
73) Isopropylbenzene	11.02	105	568116	51.366	ug/l	100
74) N-amyl acetate	10.90	43	320212	49.209	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	189046	44.943	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	168402m	45.933	ug/l	
77) Bromobenzene	11.26	156	136698	51.412	ug/l	97
78) n-propylbenzene	11.36	91	675290	52.437	ug/l	100
79) 2-Chlorotoluene	11.42	91	390500	50.107	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	481506	51.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	68560	51.548	ug/l	97
82) 4-Chlorotoluene	11.51	91	457278	50.691	ug/l	99
83) tert-Butylbenzene	11.77	119	456568	51.116	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	484628	51.552	ug/l	100
85) sec-Butylbenzene	11.94	105	560837	52.861	ug/l	100
86) p-Isopropyltoluene	12.06	119	513472	53.922	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	245440	51.563	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	242119	50.232	ug/l	100
89) n-Butylbenzene	12.38	91	488444	54.694	ug/l	100
90) Hexachloroethane	12.60	117	83169	52.658	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	238109	50.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42769	46.221	ug/l	99

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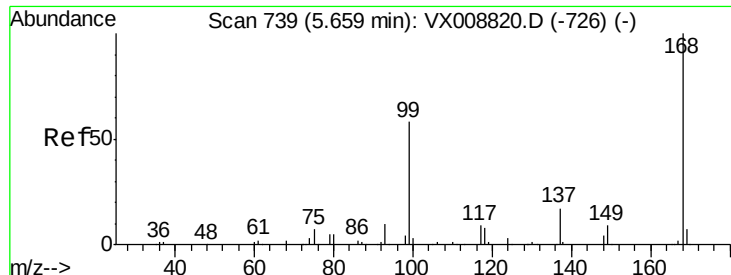
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	173497	52.799	ug/l	98
94) Hexachlorobutadiene	13.78	225	88956	56.447	ug/l	99
95) Naphthalene	13.83	128	546957	49.803	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	173740	52.919	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 188470

Ion Ratio Lower Upper

168 100

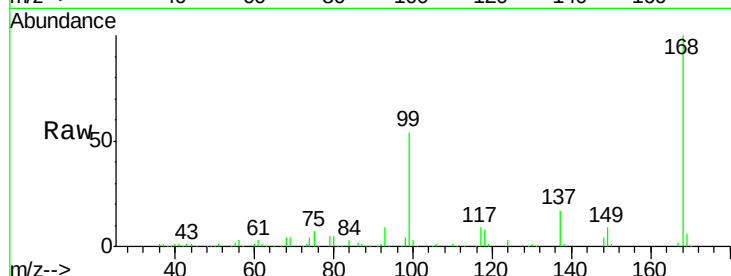
99 54.0 46.7 70.1

Manual Integrations

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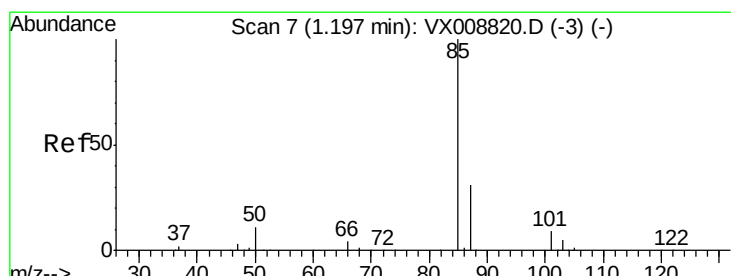
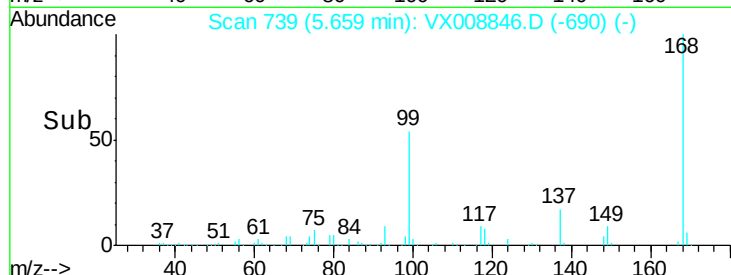


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 62.949 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008846.D

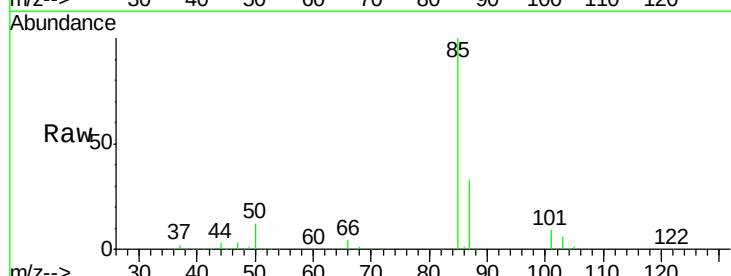
Acq: 11 Apr 2019 12:40

Tgt Ion: 85 Resp: 136564

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.3

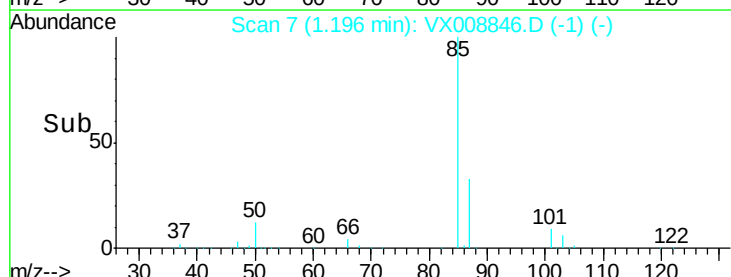


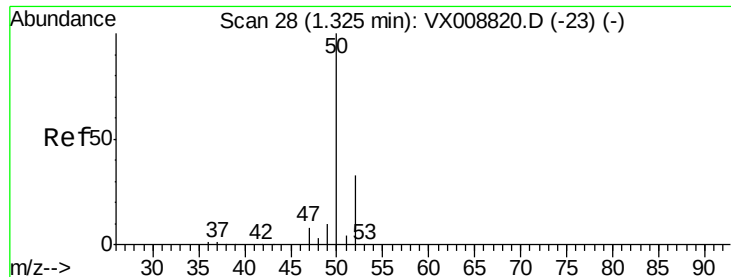
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 60.537 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 160006

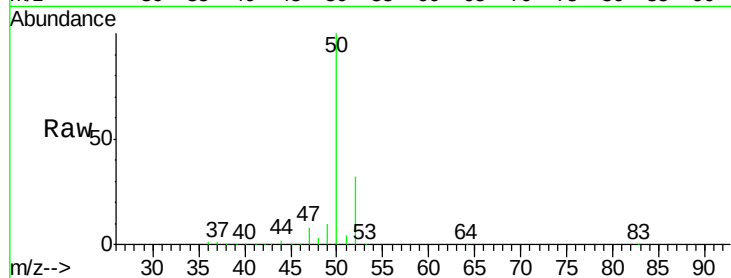
Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.8

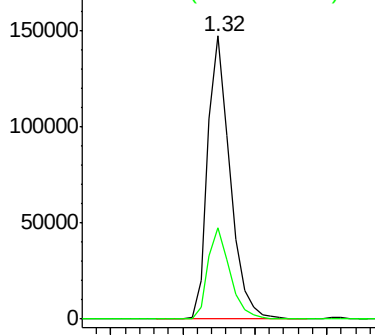
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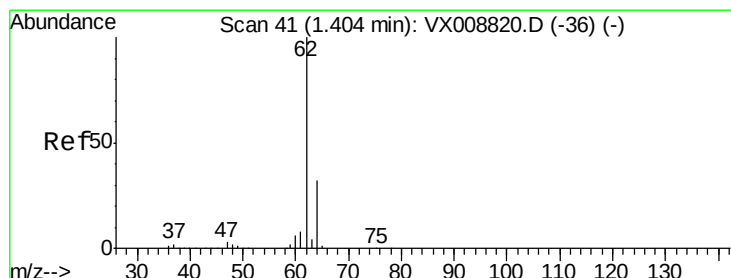
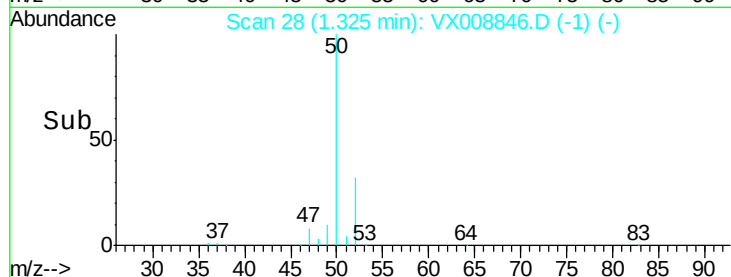


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 49.765 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008846.D

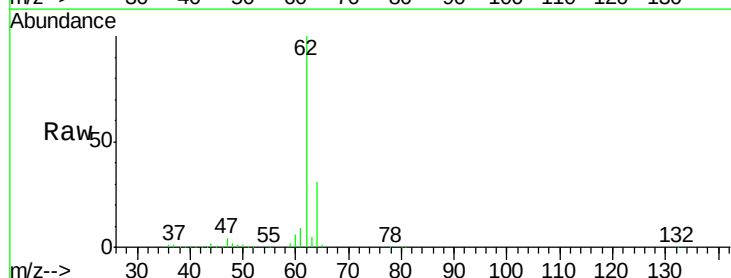
Acq: 11 Apr 2019 12:40

Tgt Ion: 62 Resp: 145946

Ion Ratio Lower Upper

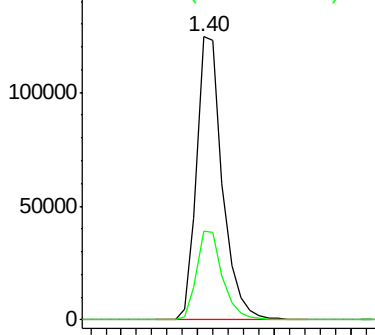
62 100

64 31.2 24.7 37.1

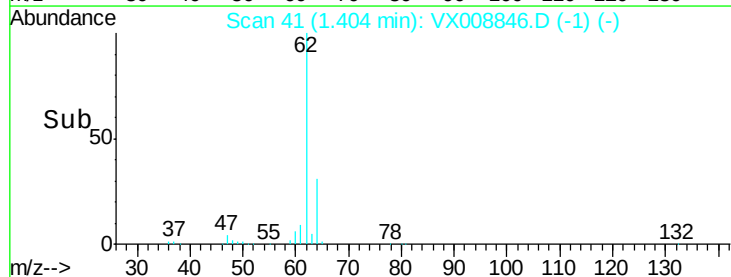


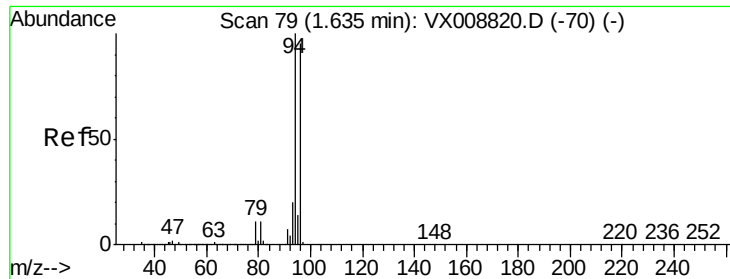
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 55.191 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 80028

Ion Ratio Lower Upper

94 100

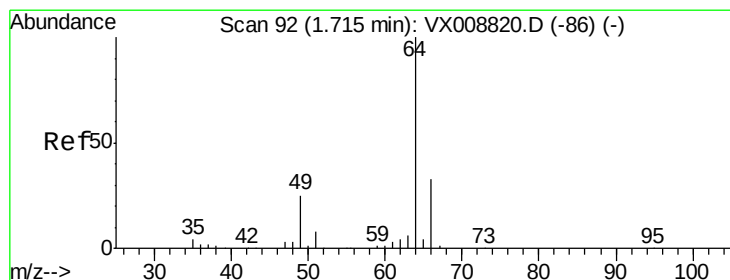
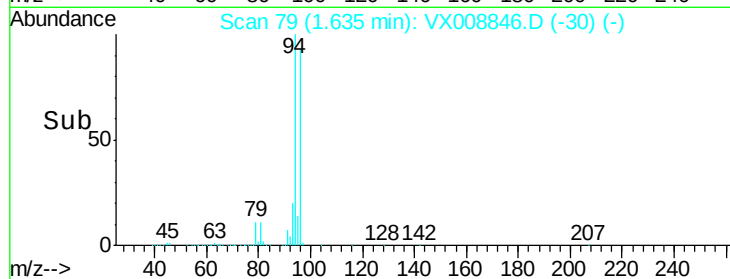
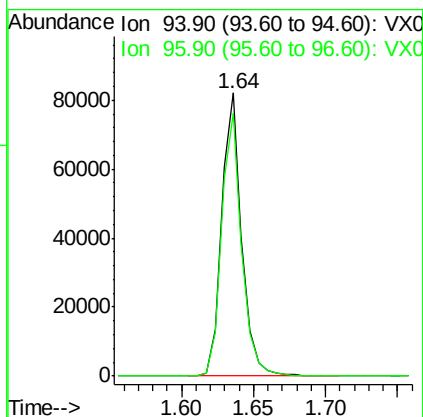
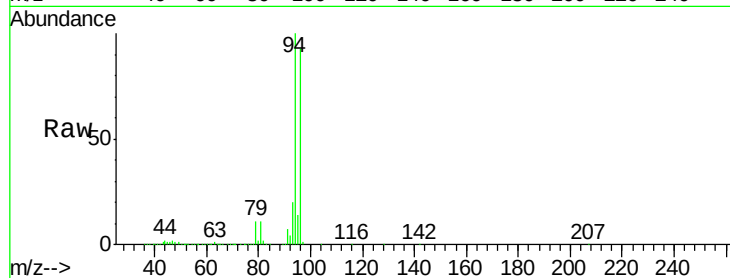
96 92.9 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 51.944 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008846.D

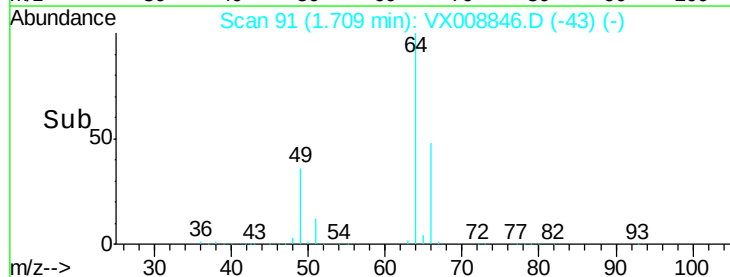
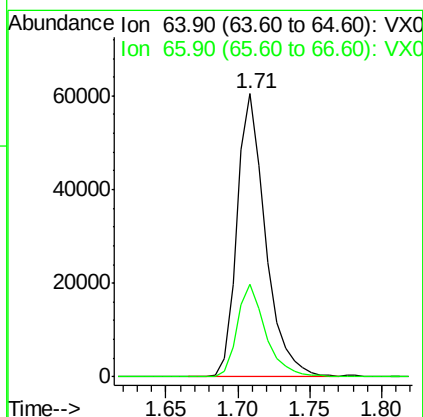
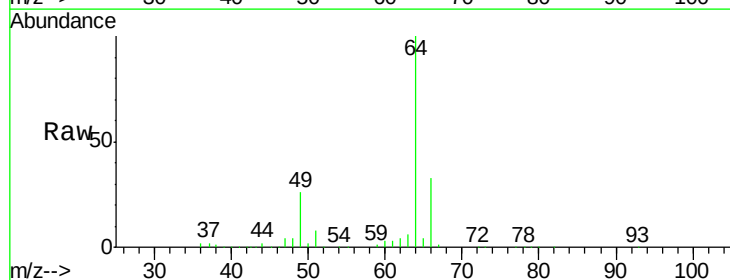
Acq: 11 Apr 2019 12:40

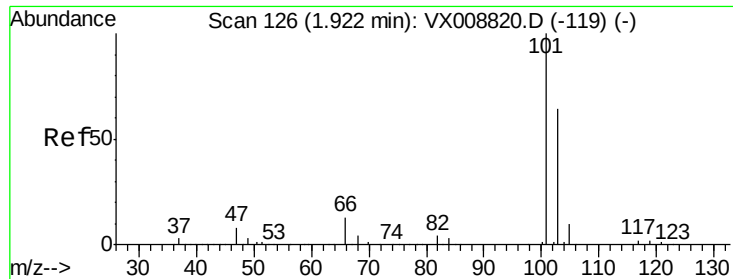
Tgt Ion: 64 Resp: 83006

Ion Ratio Lower Upper

64 100

66 32.8 25.4 38.0





#7

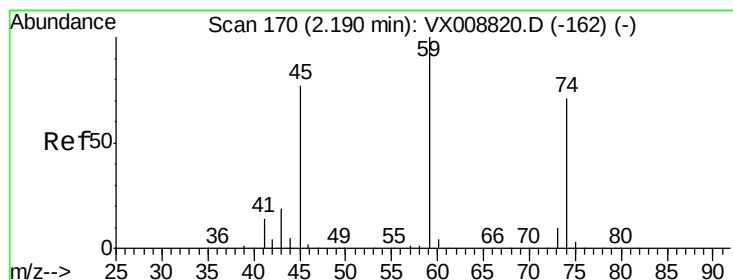
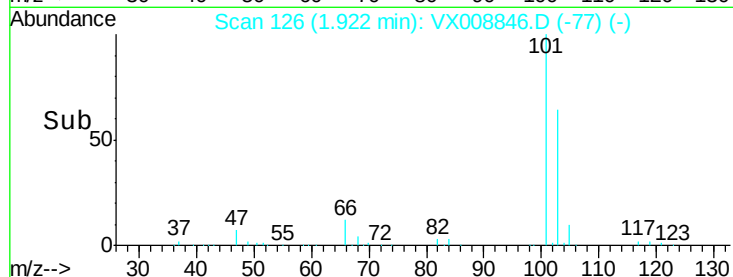
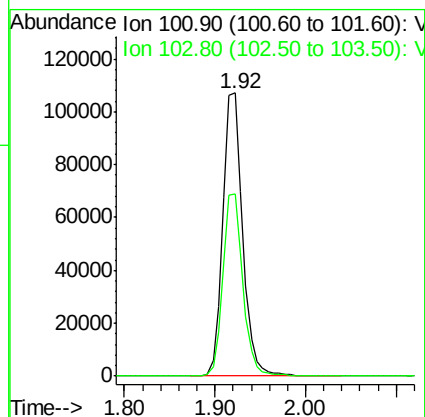
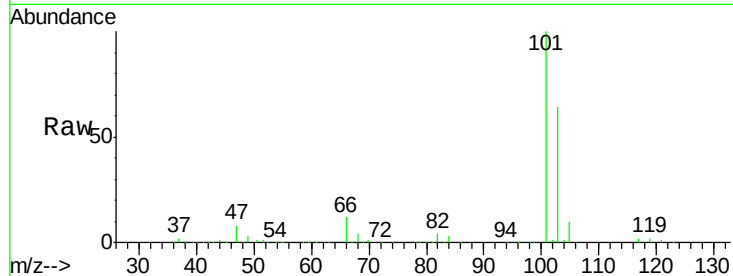
Trichlorofluoromethane
Concen: 50.529 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 163809
Ion Ratio Lower Upper
101 100
103 64.4 52.3 78.5

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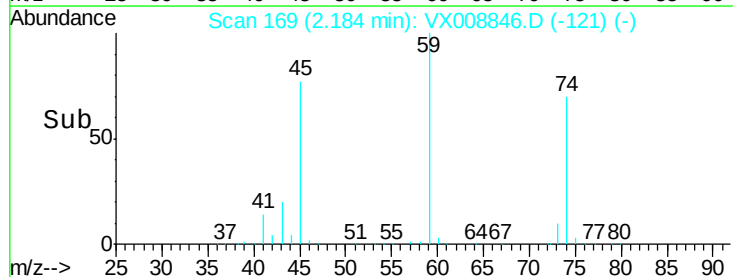
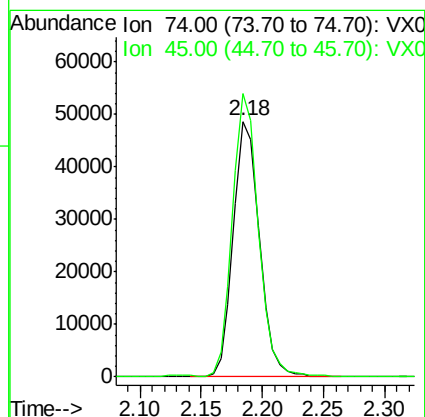
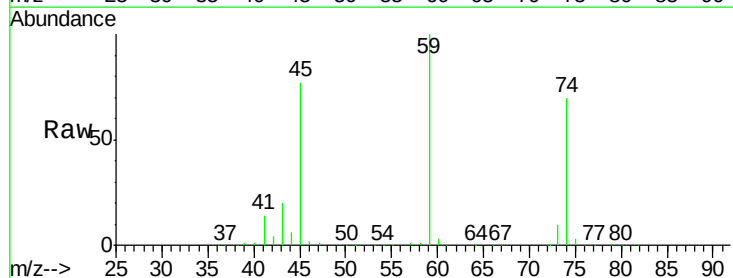
MMDadoda
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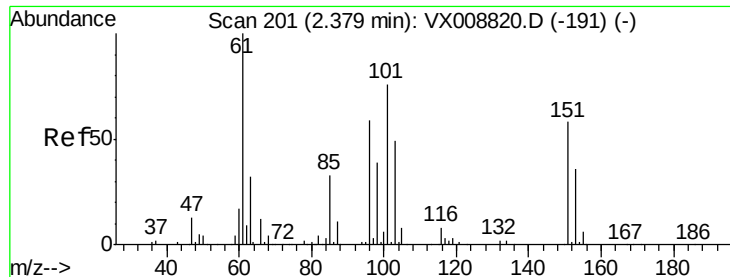


#8

Diethyl Ether
Concen: 46.982 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion: 74 Resp: 72228
Ion Ratio Lower Upper
74 100
45 109.0 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.681 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

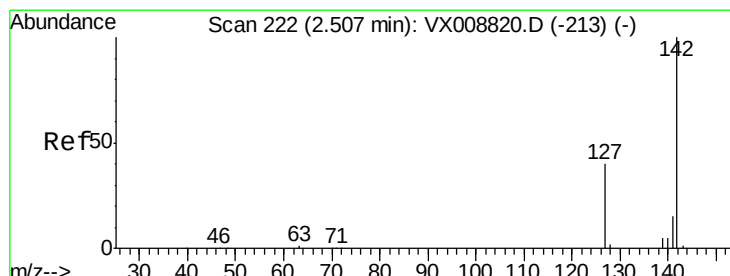
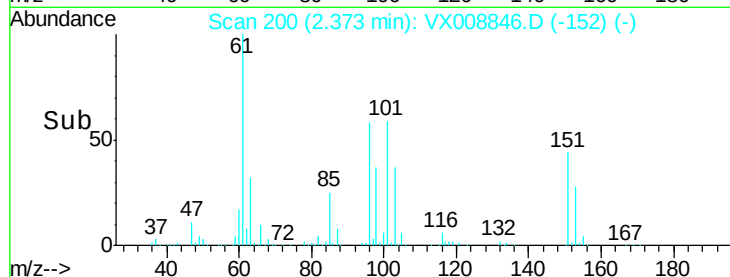
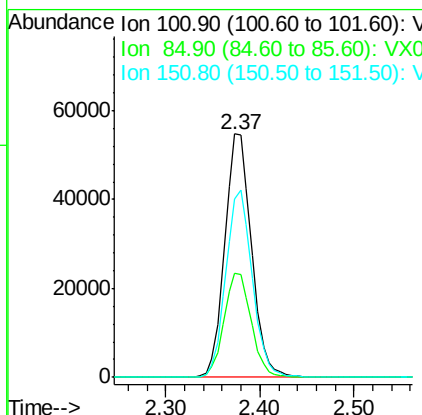
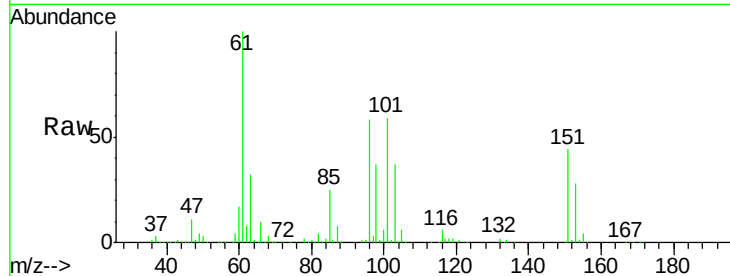
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	107868
Ion Ratio	Lower	Upper	
101	100		
85	43.6	36.0	54.0
151	76.4	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 60.673 ug/l

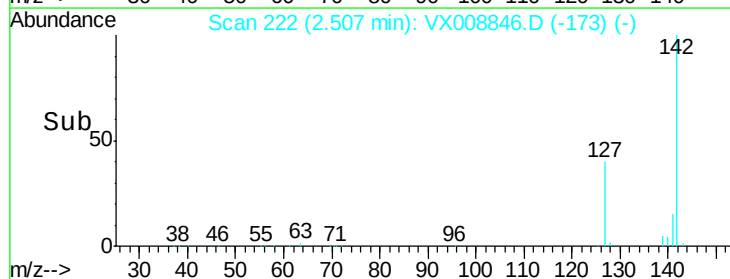
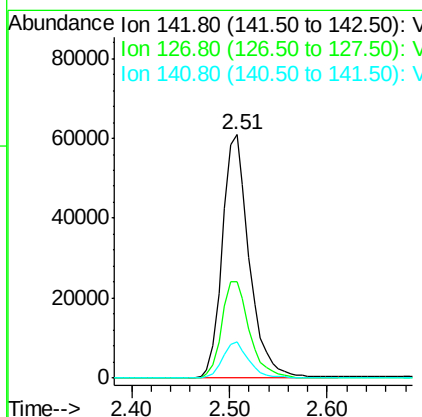
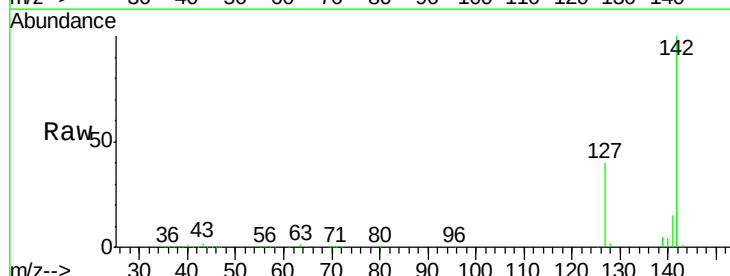
RT: 2.51 min Scan# 222

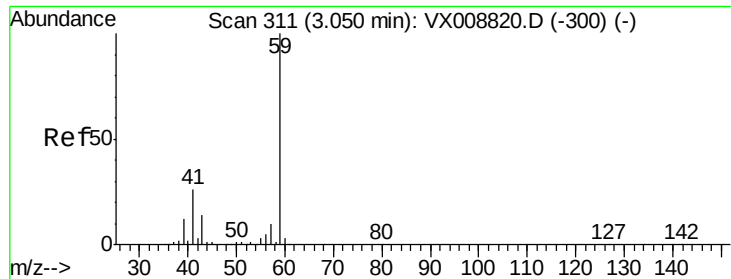
Delta R.T. 0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Tgt Ion:	142	Resp:	117100
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.0	49.6
141	14.4	11.4	17.2





#11

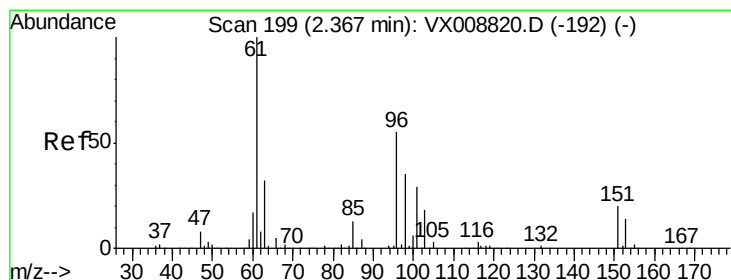
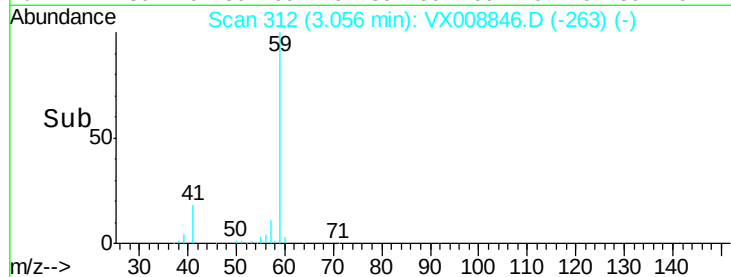
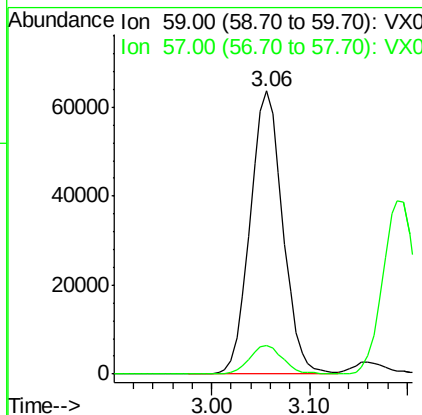
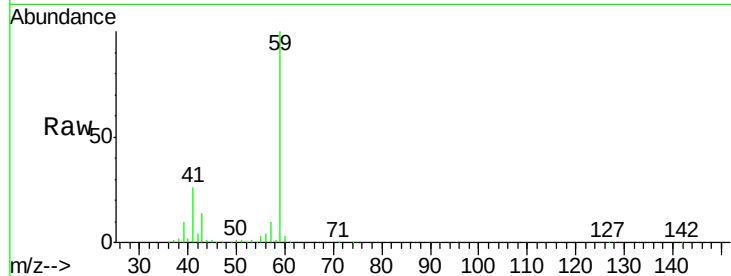
Tert butyl alcohol
Concen: 228.777 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.4	8.3	12.5

Manual Integrations
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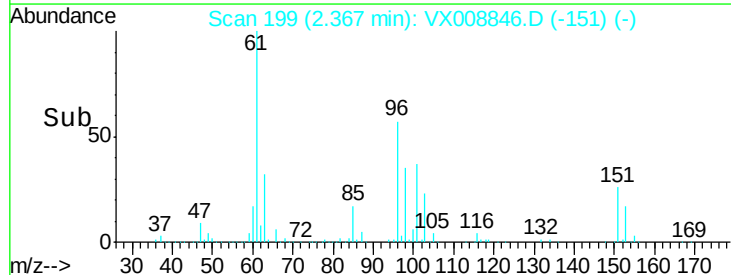
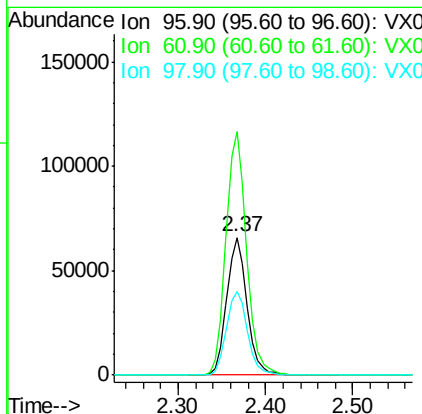
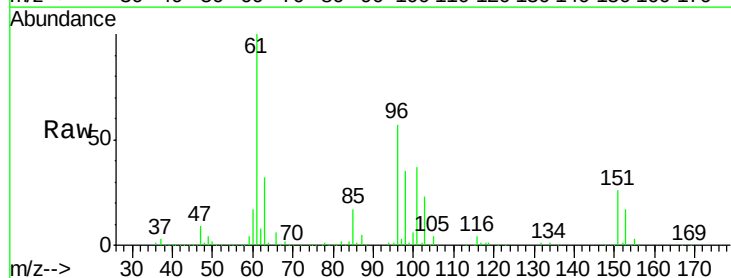
MMDadoda
4/12/2019 9:45:40 AM

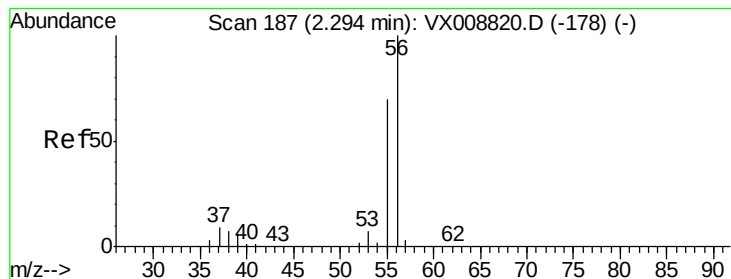


#12

1,1-Dichloroethene
Concen: 48.432 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	176.7	140.9	211.3
98	98	61.1	52.1	78.1





#13

Acrolein

Concen: 307.776 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 98215

Ion Ratio Lower Upper

56 100

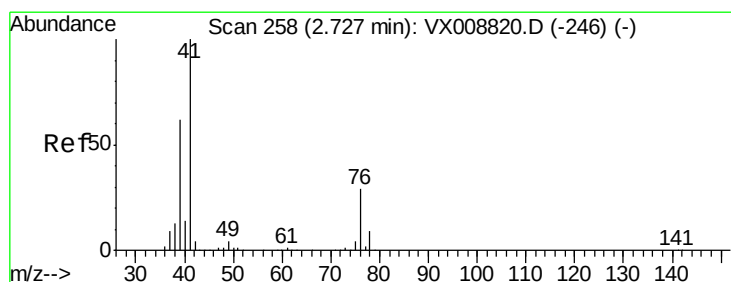
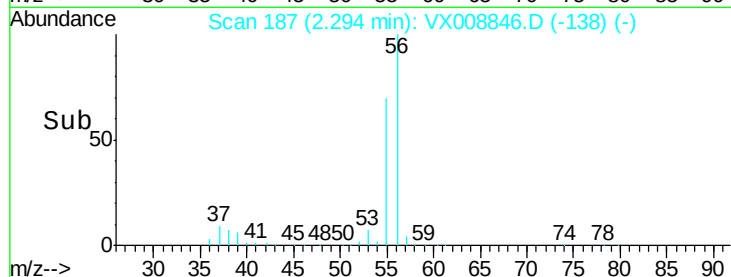
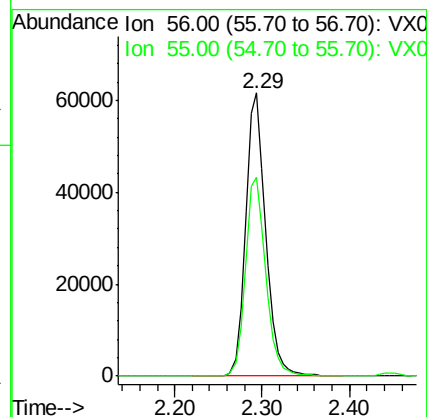
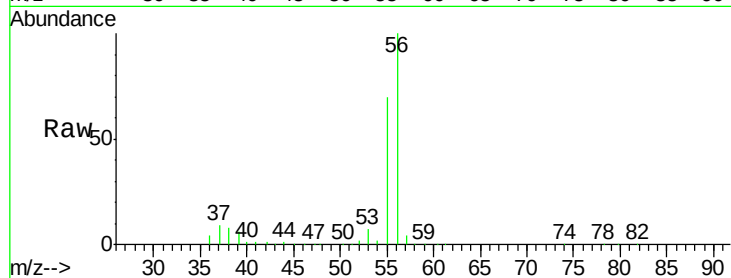
55 71.2 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.391 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

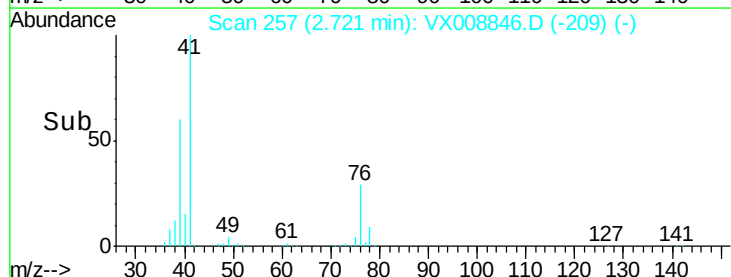
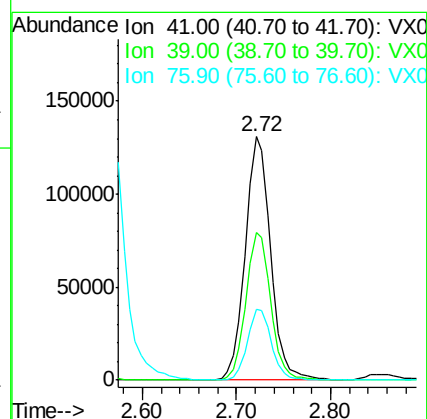
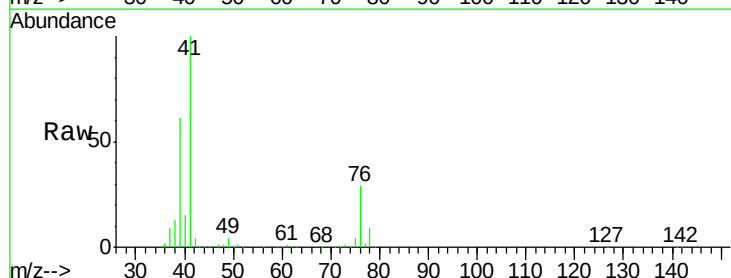
Tgt Ion: 41 Resp: 246363

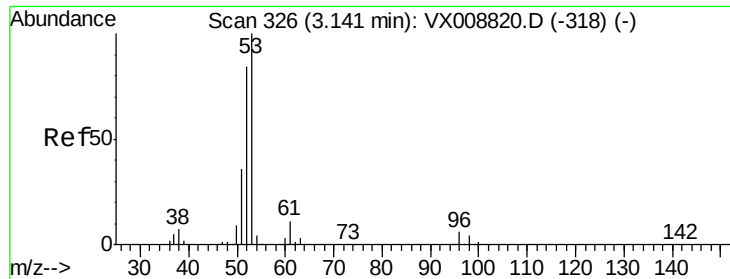
Ion Ratio Lower Upper

41 100

39 59.3 48.0 72.0

76 27.8 22.0 33.0





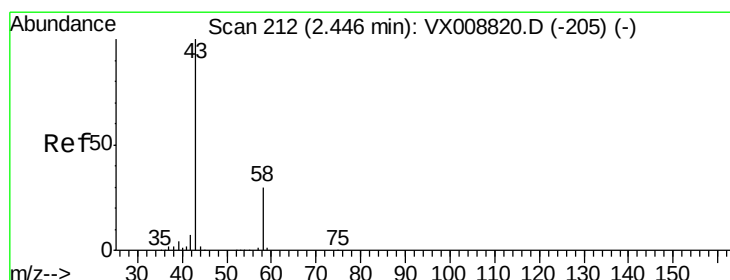
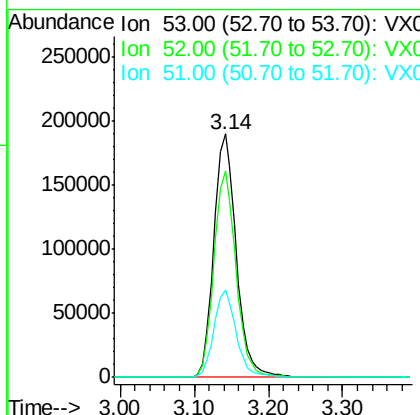
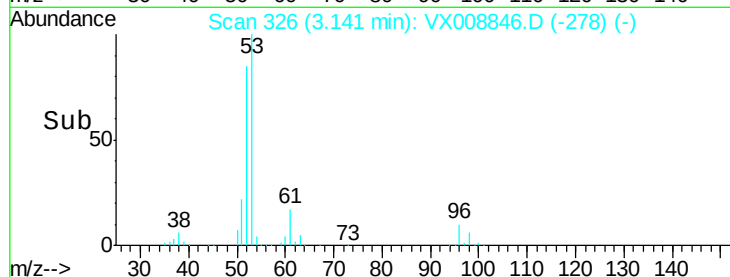
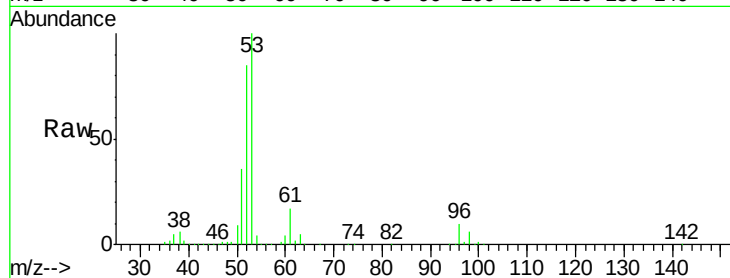
#15
 Acrylonitrile
 Concen: 230.595 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	393143
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.5	99.7
51	35.8	28.6	42.8

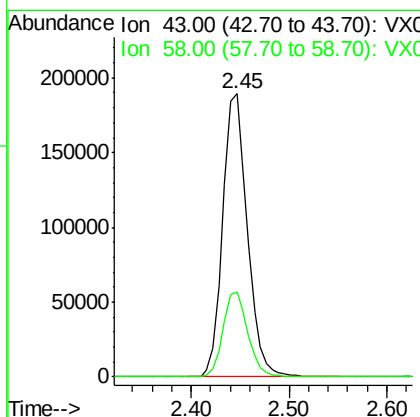
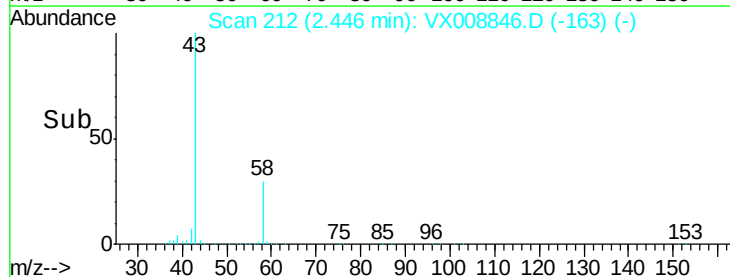
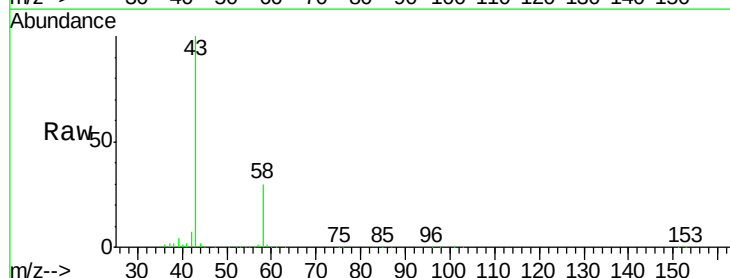
Manual Integrations
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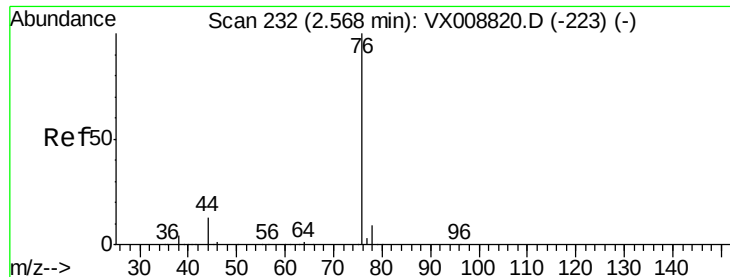
MMDadoda
 4/12/2019 9:45:40 AM



#16
 Acetone
 Concen: 208.524 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion:	43	Resp:	330159
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.8	37.2





#17

Carbon Disulfide

Concen: 51.768 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 325559

Ion Ratio Lower Upper

76 100

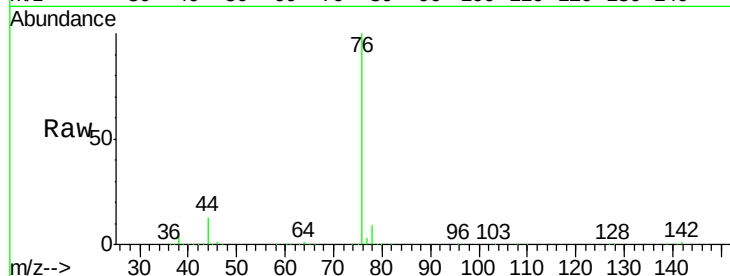
78 9.0 7.1 10.7

Manual Integrations

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4/12/2019 9:45:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

200000

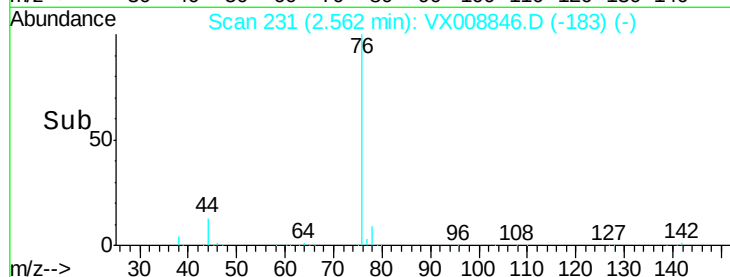
150000

100000

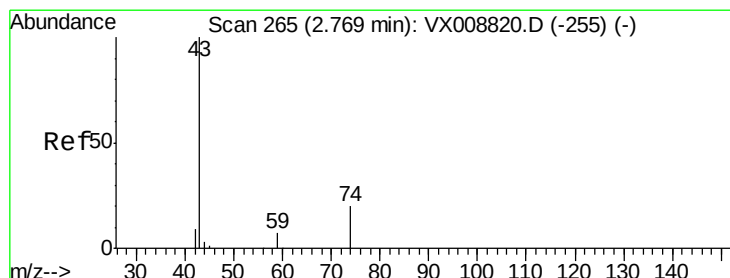
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 44.361 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008846.D

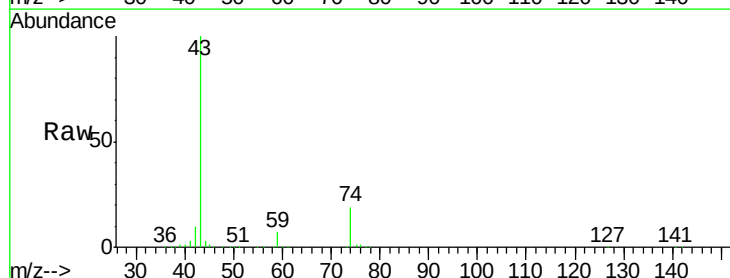
Acq: 11 Apr 2019 12:40

Tgt Ion: 43 Resp: 170345

Ion Ratio Lower Upper

43 100

74 20.0 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

100000

80000

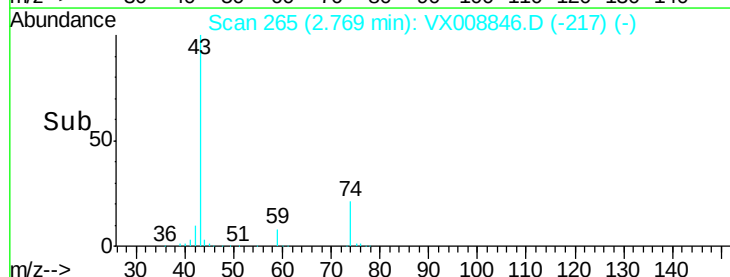
60000

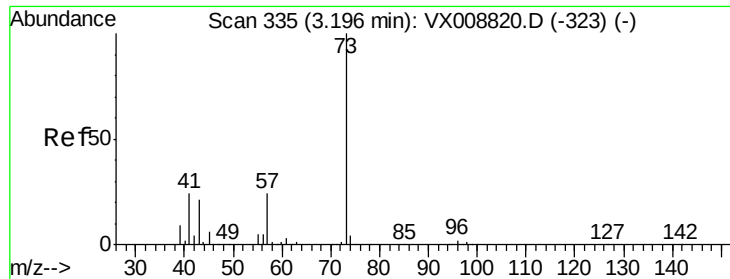
40000

20000

0

Time-->





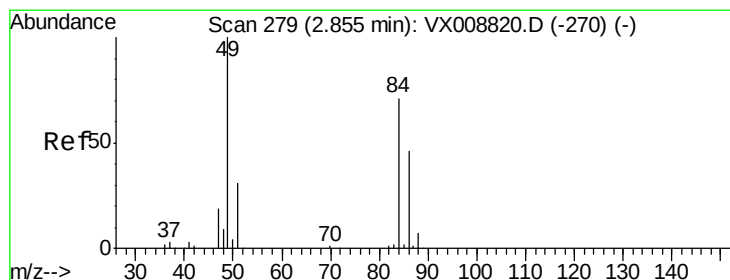
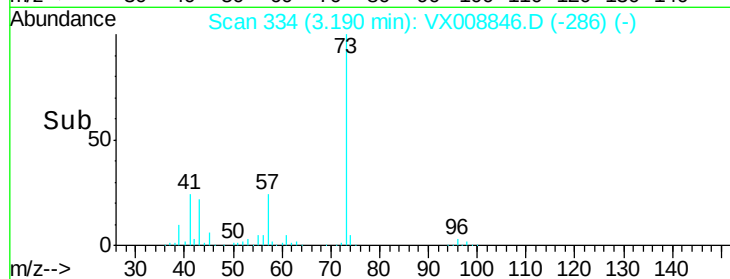
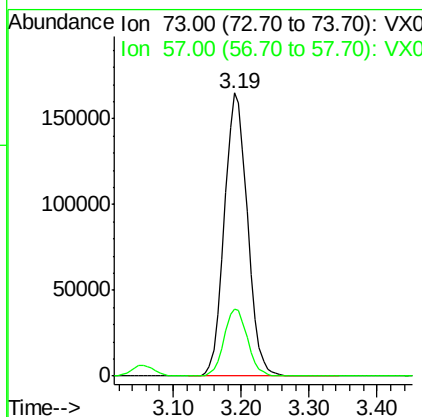
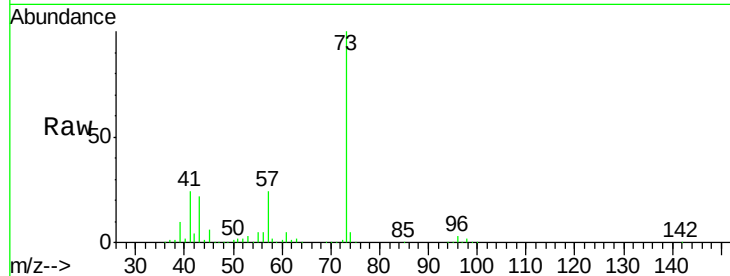
#19
Methyl tert-butyl Ether
Concen: 49.874 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.5	29.3

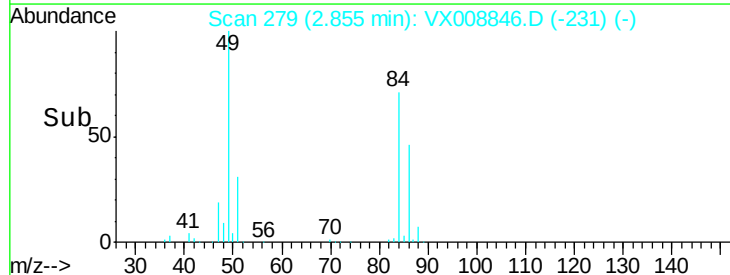
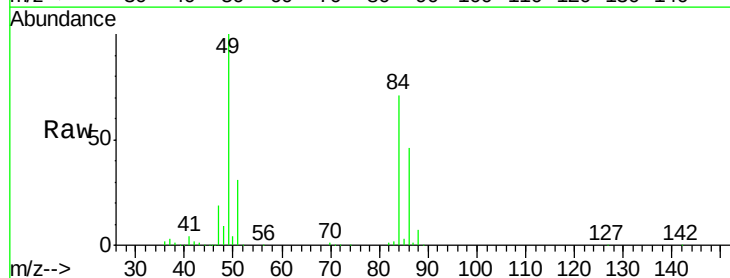
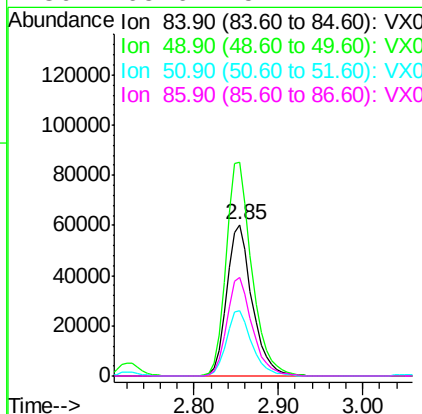
Manual Integrations
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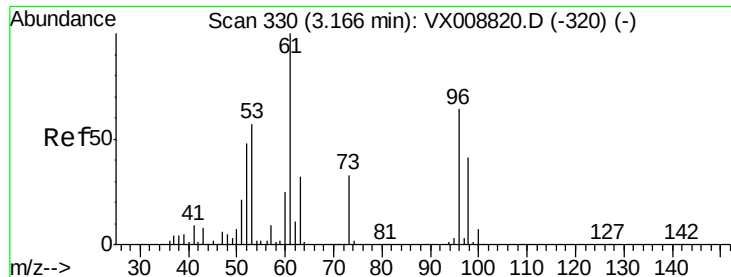
MMDadoda
4/12/2019 9:45:40 AM



#20
Methylene Chloride
Concen: 46.638 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.4	109.7	164.5
51	43.2	33.6	50.4
86	65.6	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 48.043 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 113228

Ion Ratio Lower Upper

96 100

61 157.1 132.1 198.1

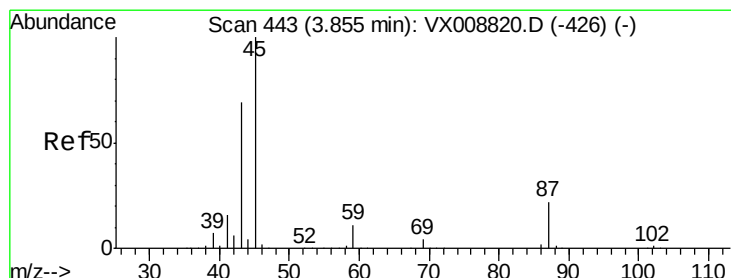
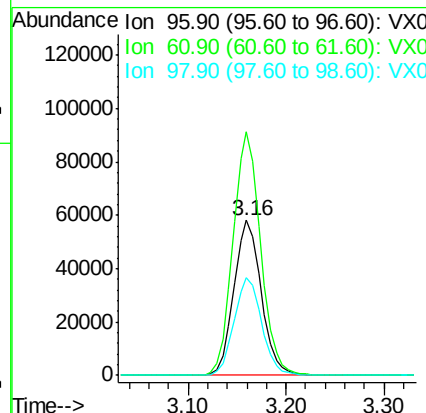
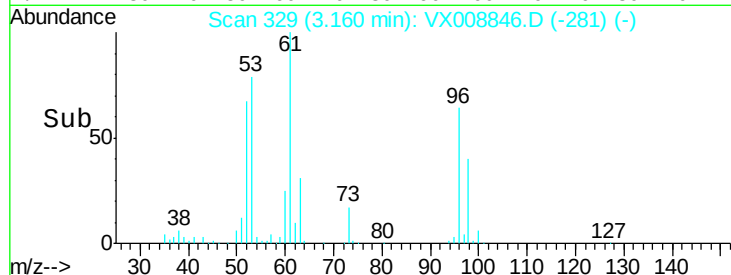
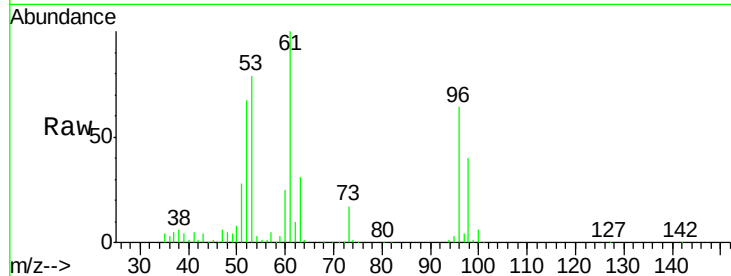
98 63.5 52.2 78.2

Manual Integrations

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4/12/2019 9:45:40 AM



#22

Diisopropyl ether

Concen: 48.763 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Tgt Ion: 45 Resp: 468802

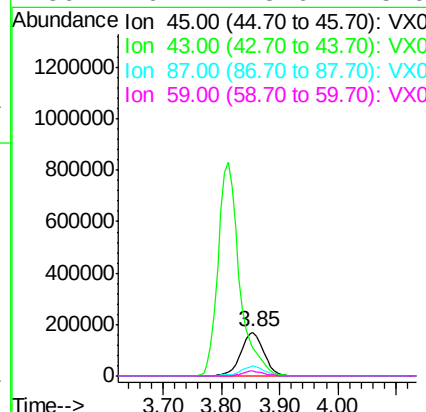
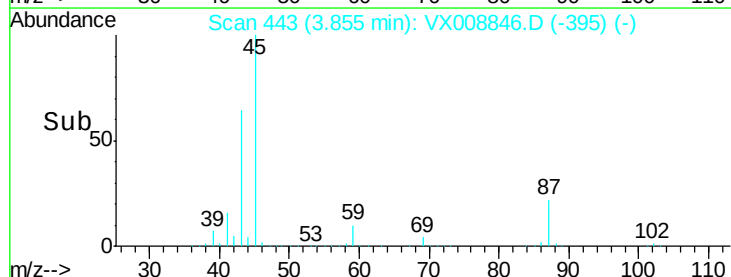
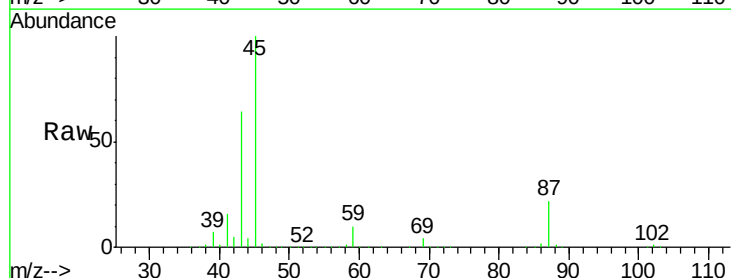
Ion Ratio Lower Upper

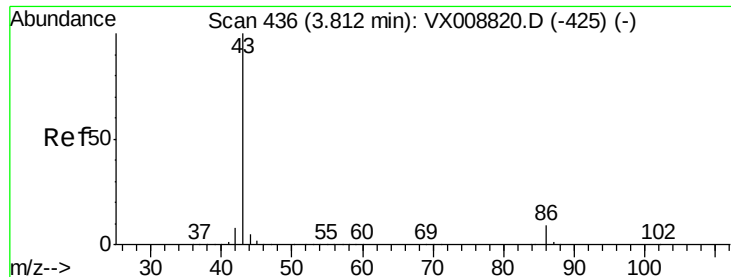
45 100

43 63.6 51.3 76.9

87 22.4 18.1 27.1

59 10.4 8.6 13.0





#23

Vinyl Acetate

Concen: 252.809 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2114357

Ion Ratio Lower Upper

43 100

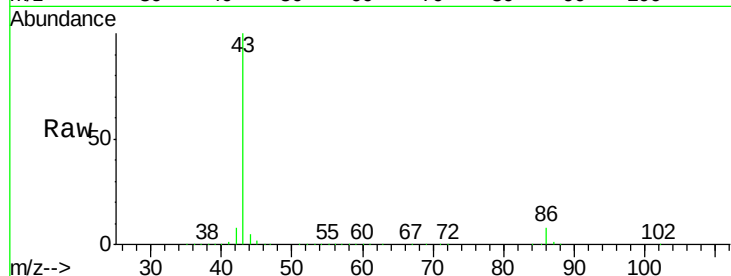
86 8.4 7.0 10.6

Manual Integrations

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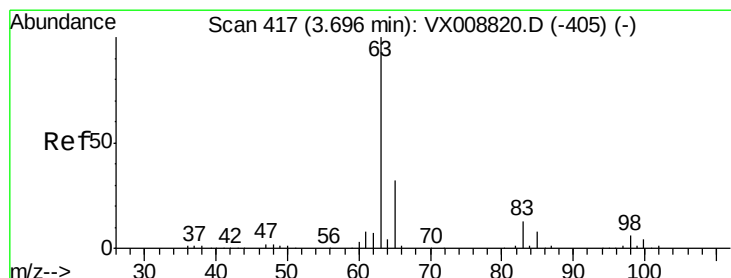
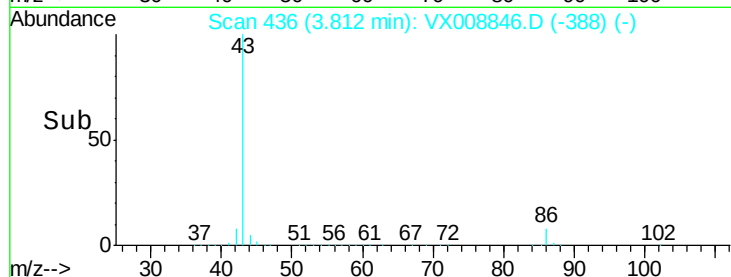
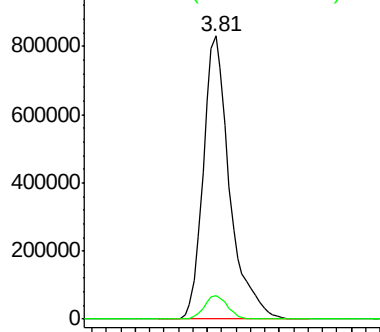
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.608 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

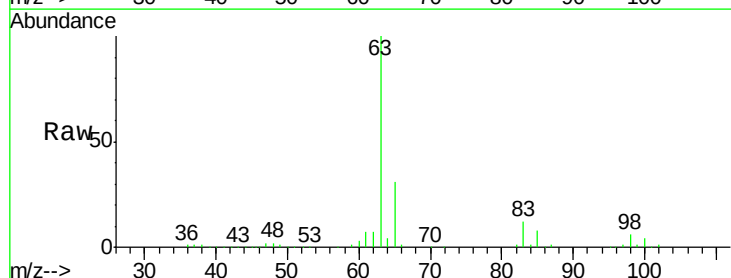
Tgt Ion: 63 Resp: 231370

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

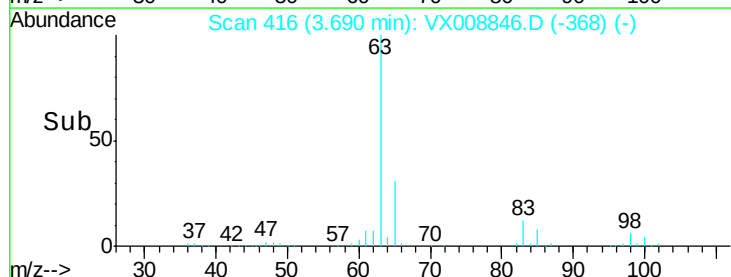
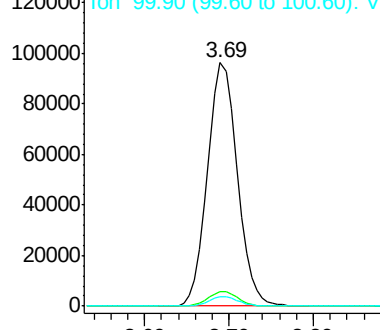
100 3.7 1.8 5.5

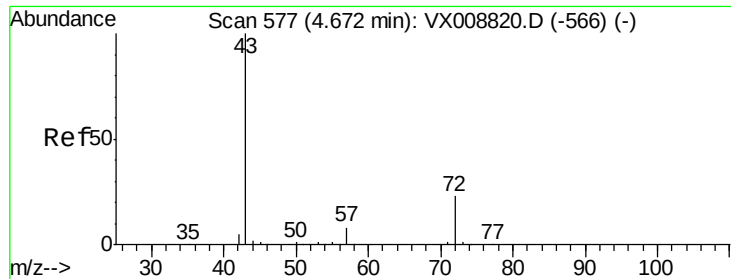


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 231.274 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 578755

Ion Ratio Lower Upper

43 100

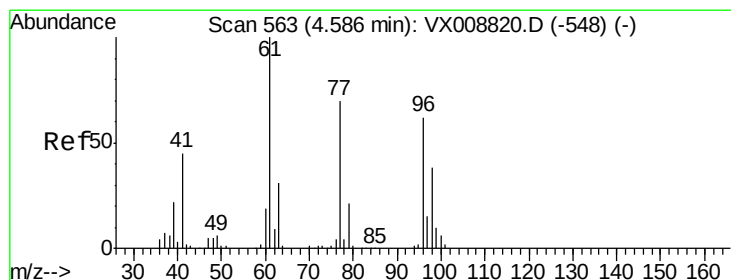
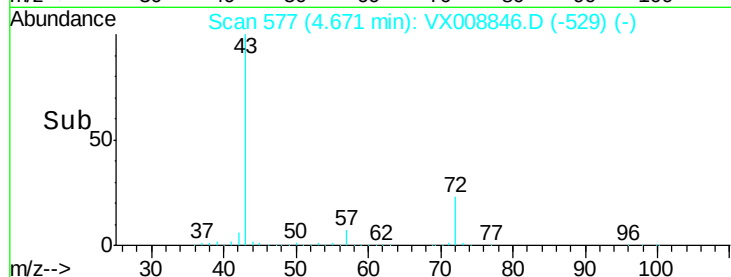
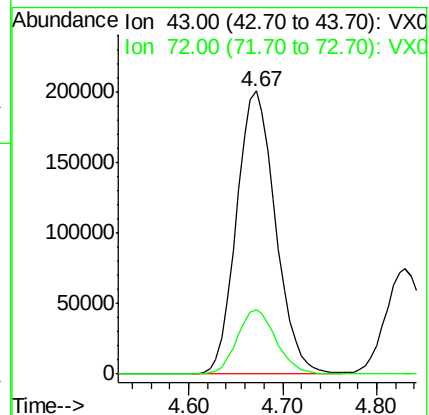
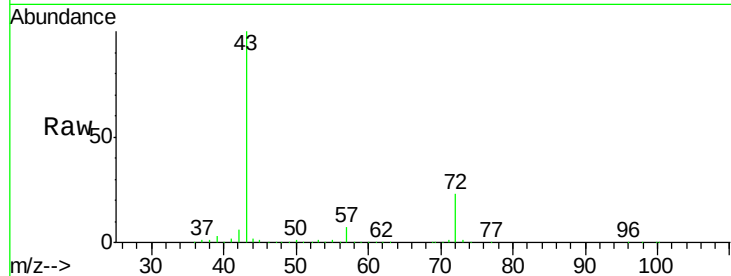
72 22.5 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.947 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX008846.D

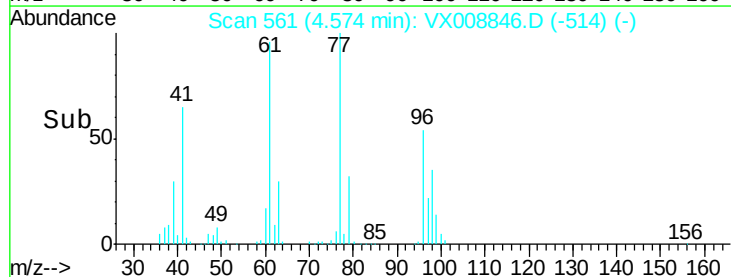
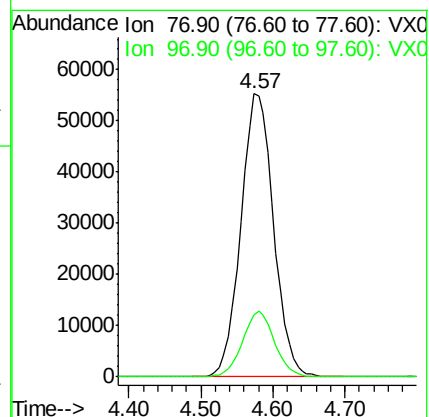
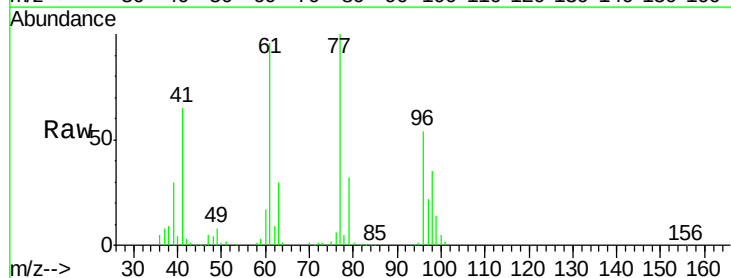
Acq: 11 Apr 2019 12:40

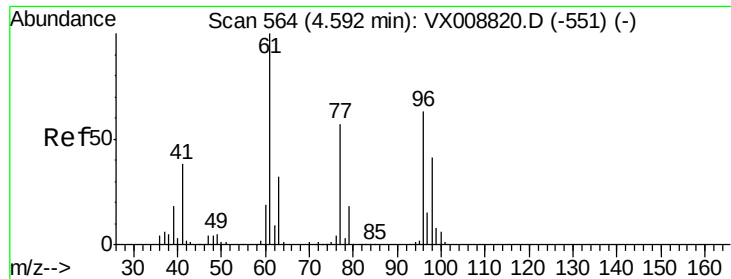
Tgt Ion: 77 Resp: 174154

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.5





#27

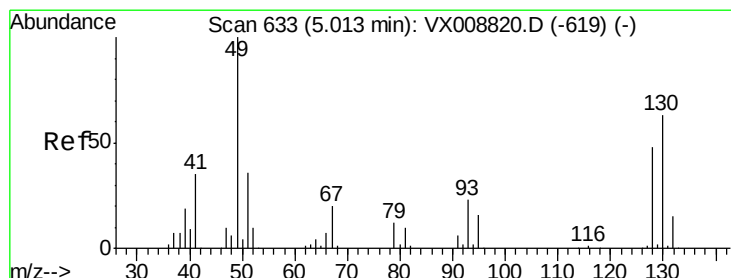
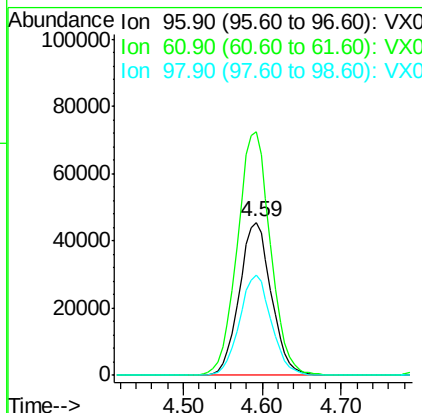
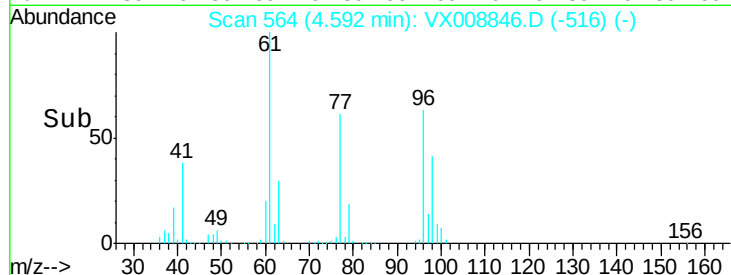
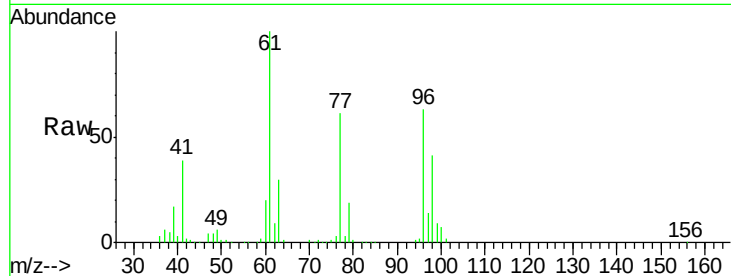
cis-1,2-Dichloroethene
 Concen: 47.350 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	327.6
98	65.6	0.0	128.6

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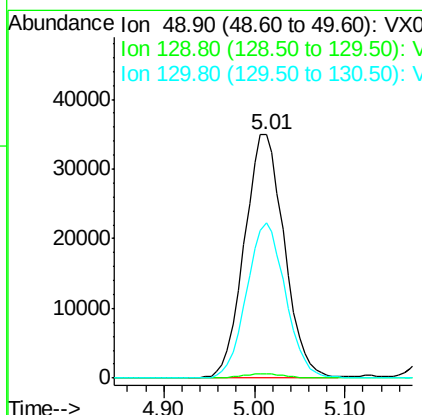
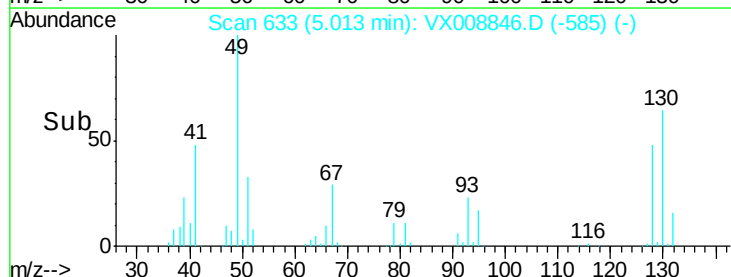
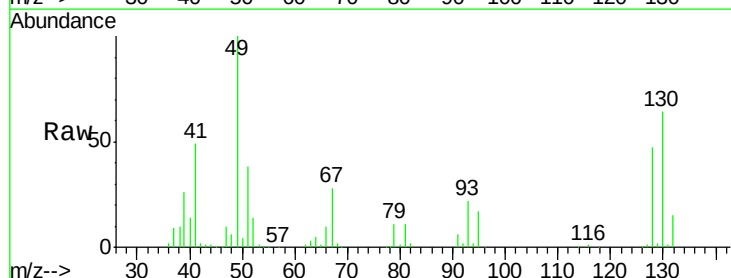
MMDadoda
 4/12/2019 9:45:40 AM

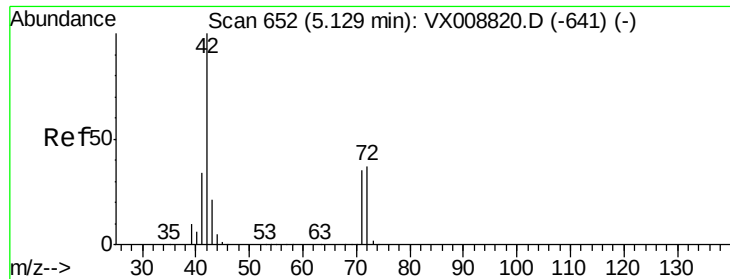


#28

Bromochloromethane
 Concen: 53.795 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	62.1	49.3	73.9





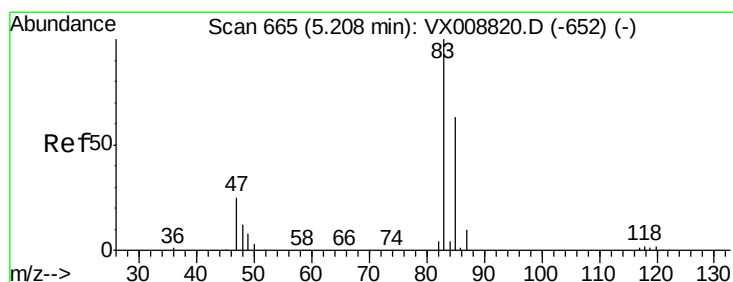
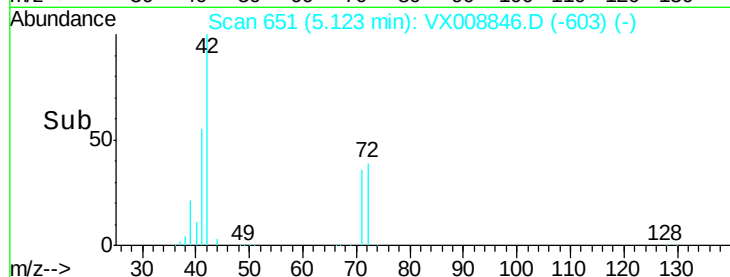
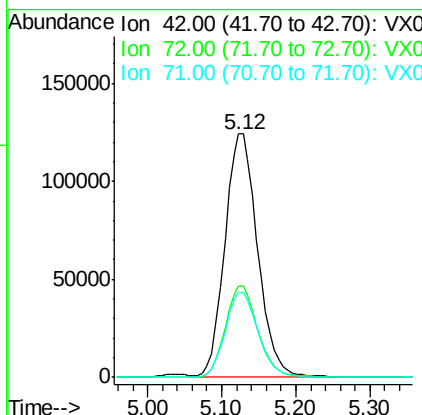
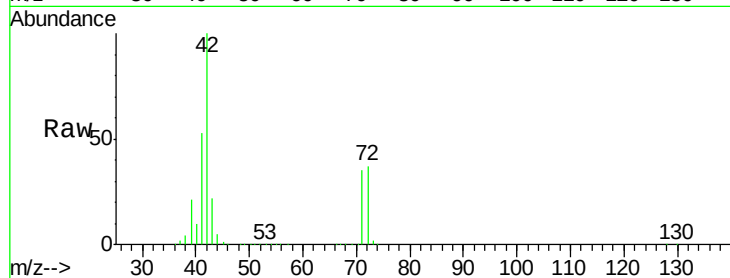
#29
Tetrahydrofuran
Concen: 229.047 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.5	45.7
71	35.1	28.6	43.0

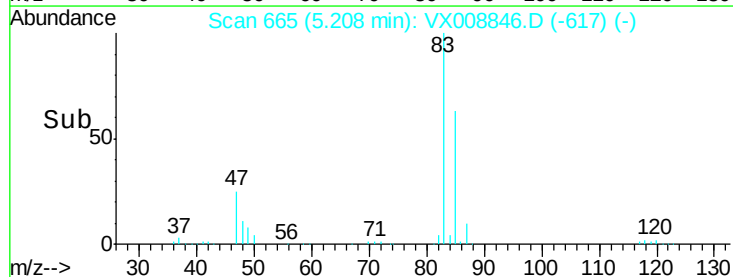
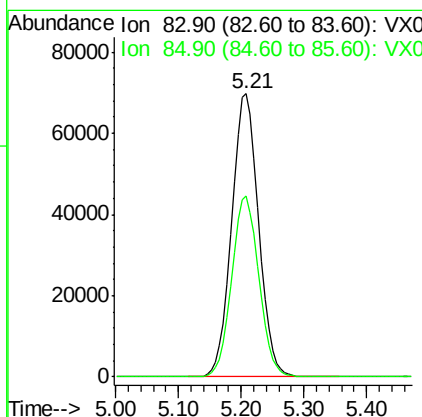
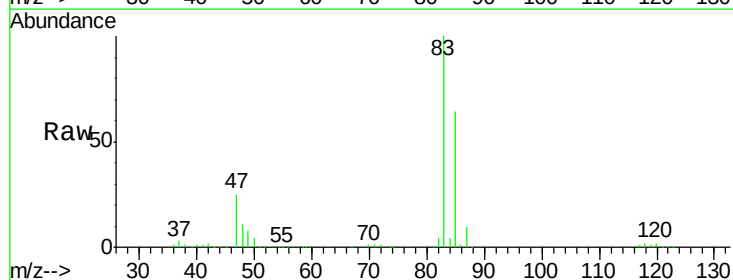
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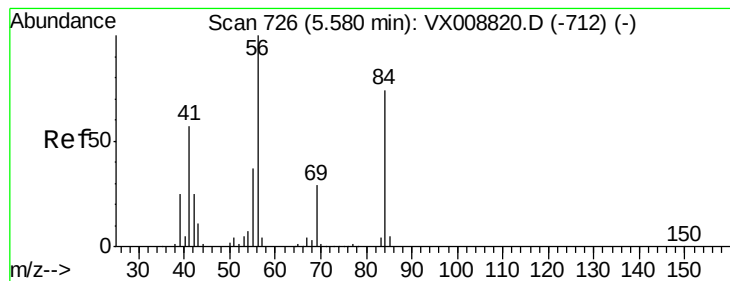
MMDadoda
4/12/2019 9:45:40 AM



#30
Chloroform
Concen: 48.793 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.1	78.1





#31

Cyclohexane

Concen: 50.191 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

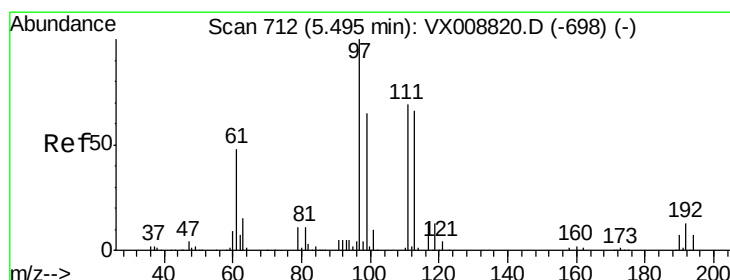
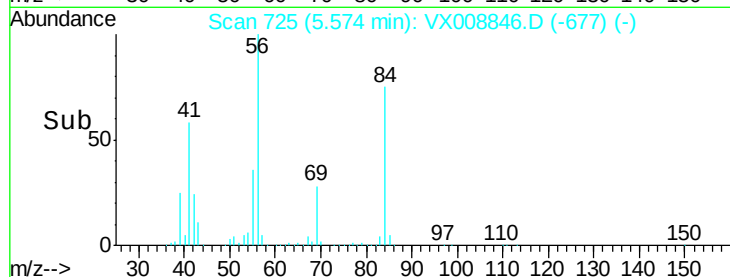
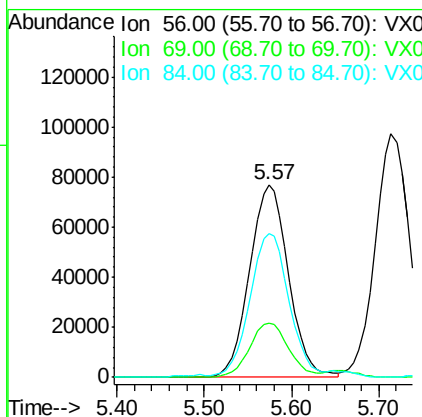
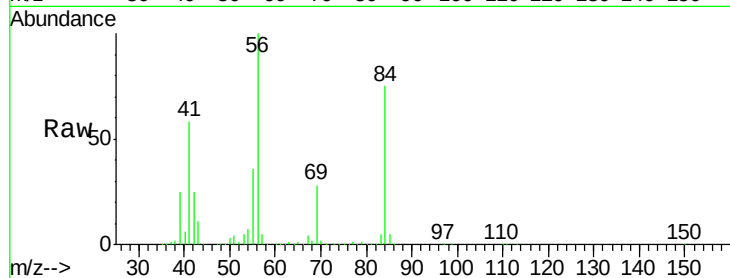
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	238384
Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.6	33.8
84	74.0	59.3	88.9

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#32

1,1,1-Trichloroethane

Concen: 50.531 ug/l

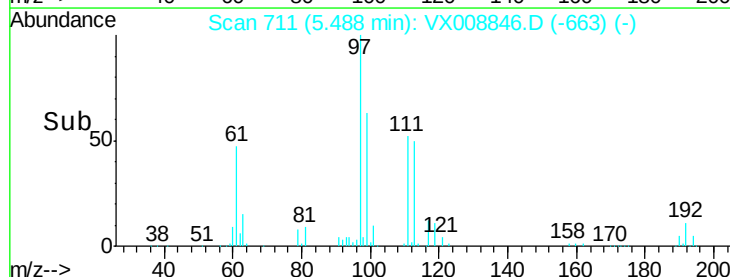
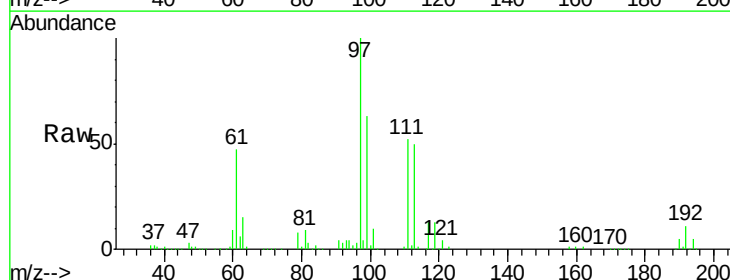
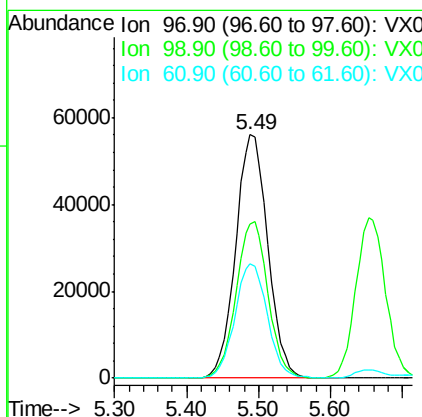
RT: 5.49 min Scan# 711

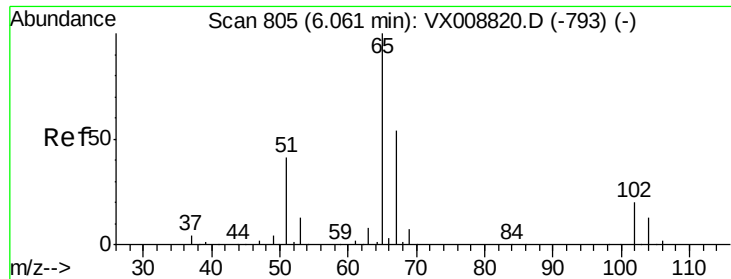
Delta R.T. -0.01 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Tgt Ion:	97	Resp:	173603
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	47.6	38.9	58.3





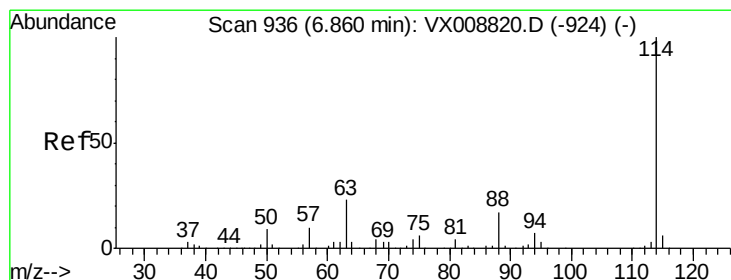
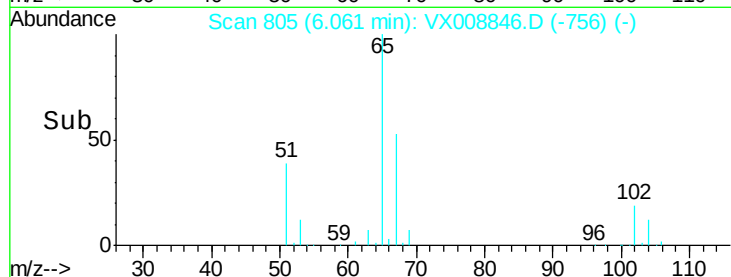
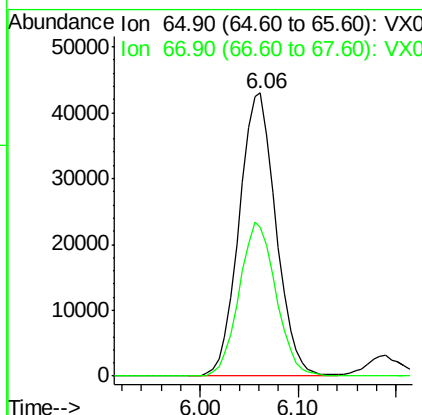
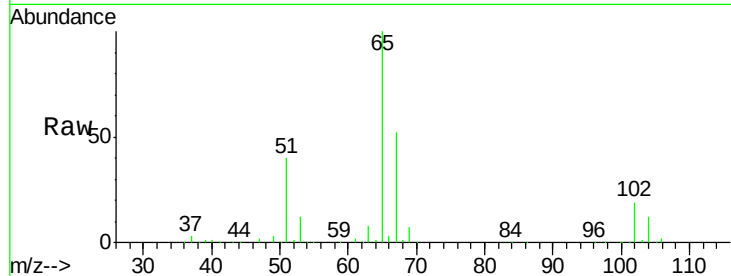
#33
 1,2-Dichloroethane-d4
 Concen: 40.879 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	107.2

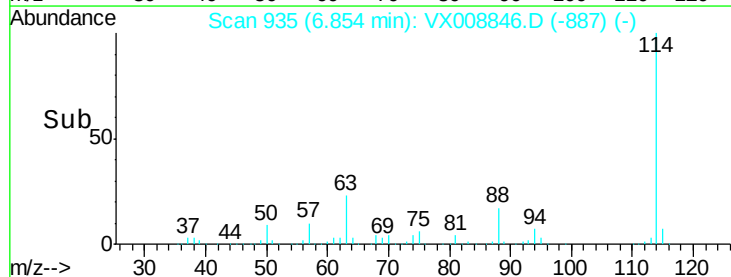
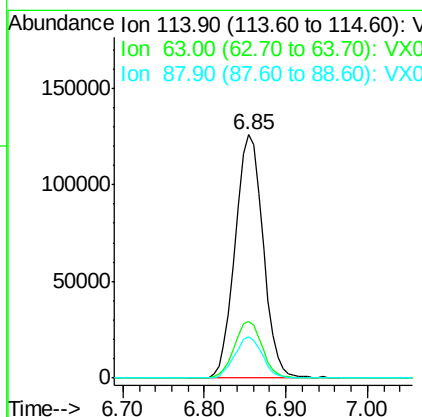
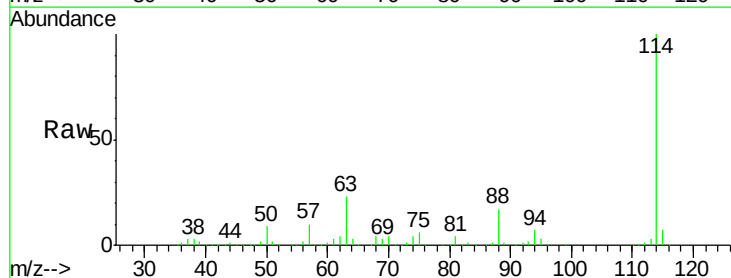
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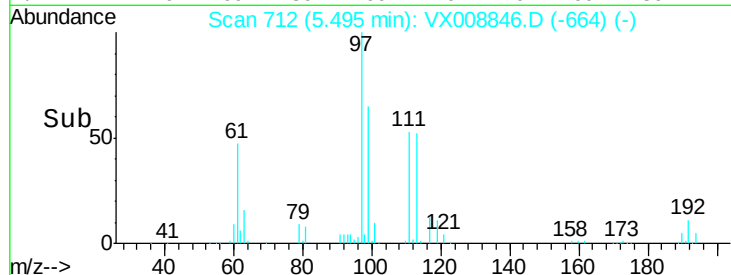
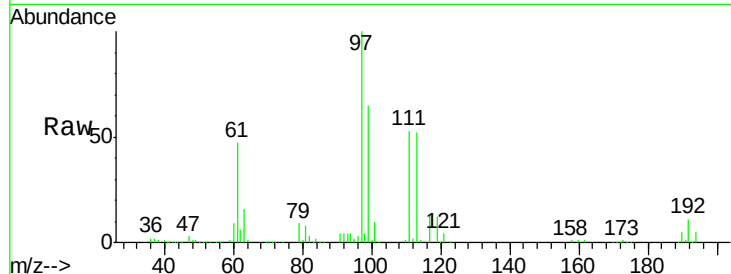
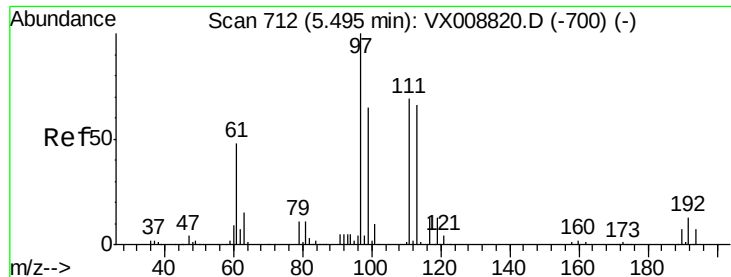
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 4/12/2019 9:45:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	47.2
88	17.0	0.0	34.0





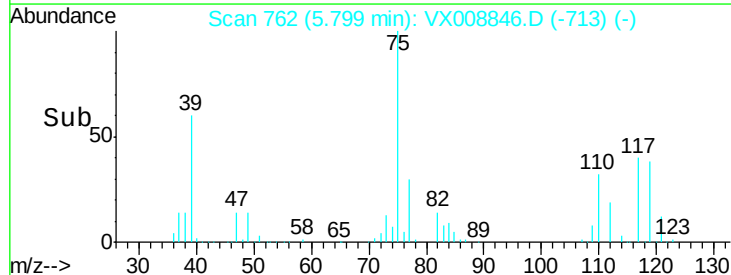
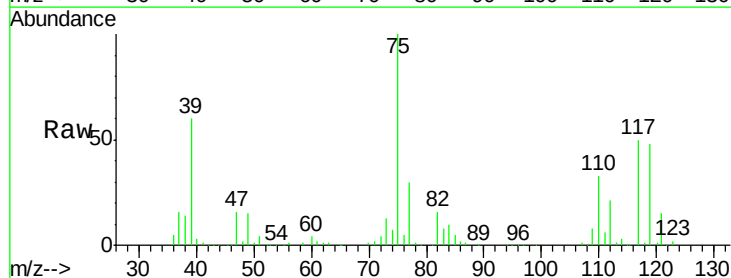
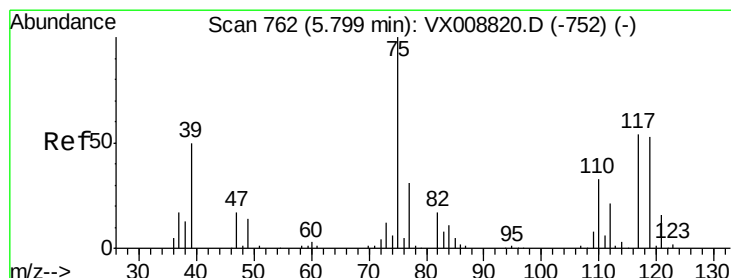
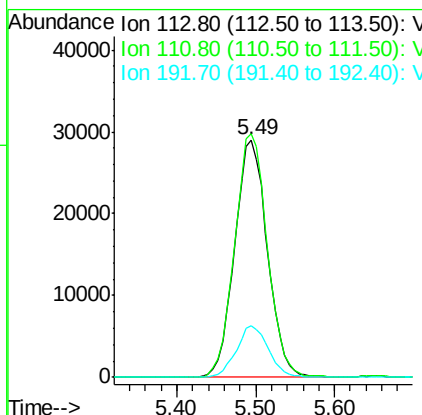
#35
Dibromofluoromethane
Concen: 43.902 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tot Ion	Ratio	Resp	Lower	Upper
113	100	83880		
111	102.4	83.4	125.2	
192	21.3	16.1	24.1	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

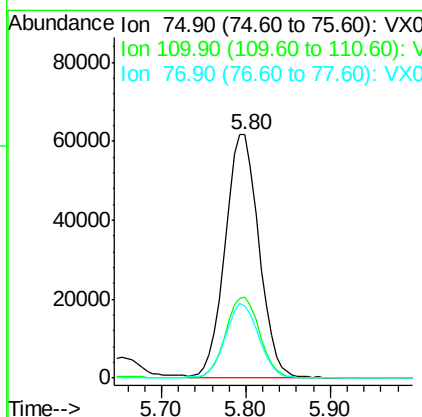
Manual Integrations
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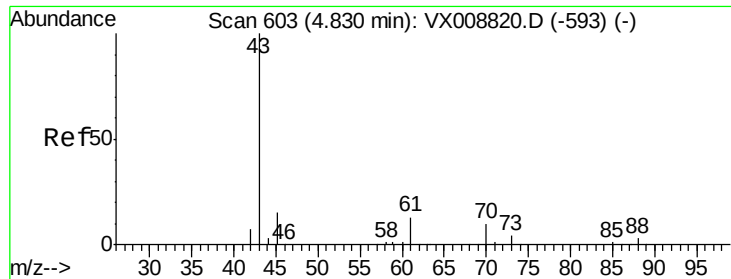
MMDadoda
4/12/2019 9:45:40 AM



#36
1,1-Dichloropropene
Concen: 51.571 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	168458		
110	33.6	16.4	49.2	
77	30.2	24.7	37.1	





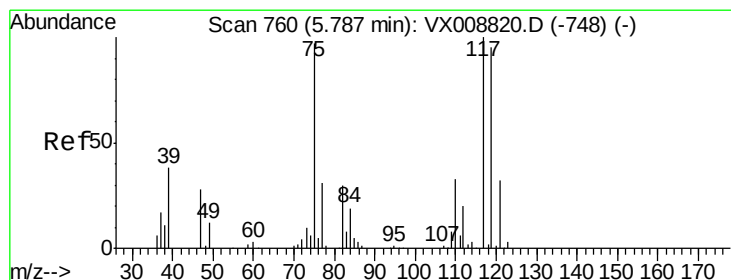
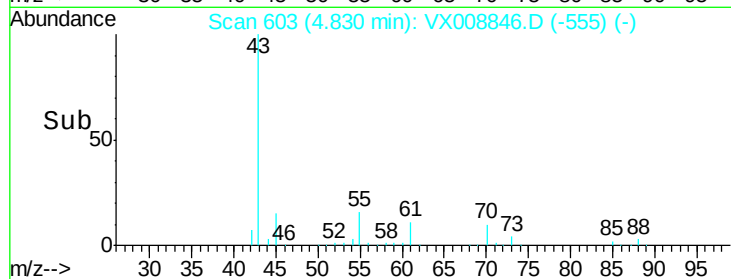
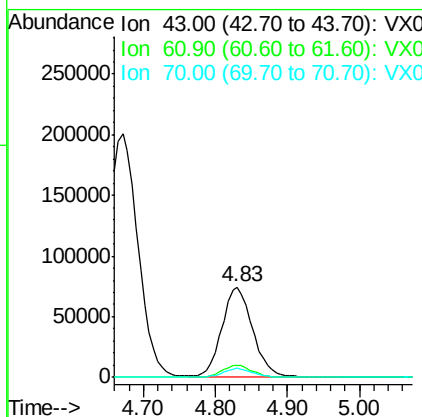
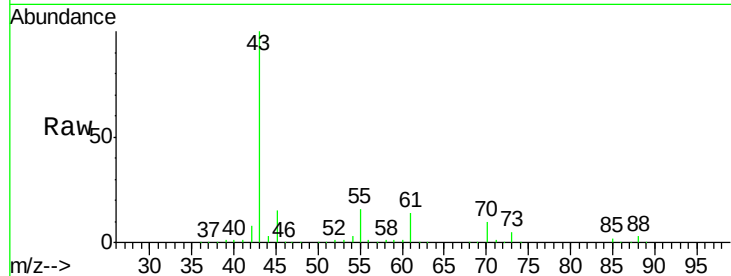
#37
Ethyl Acetate
Concen: 50.745 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	9.4	7.6	11.4

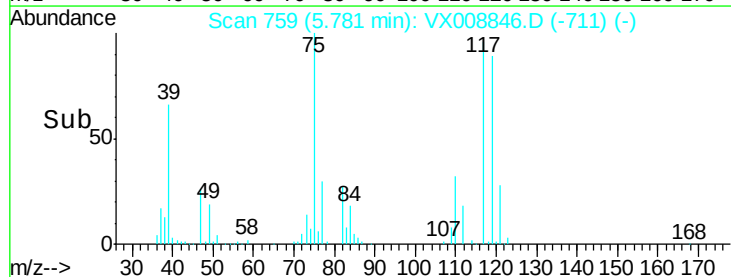
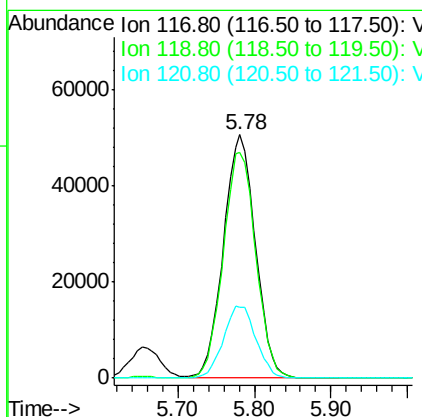
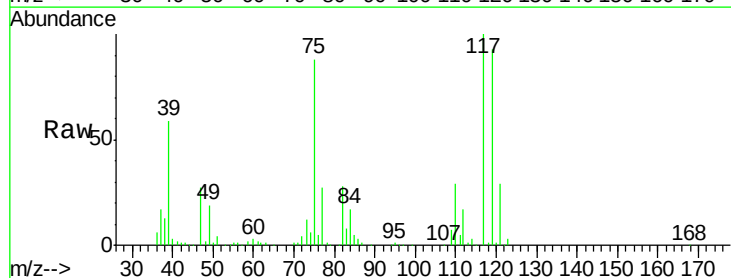
Manual Integrations
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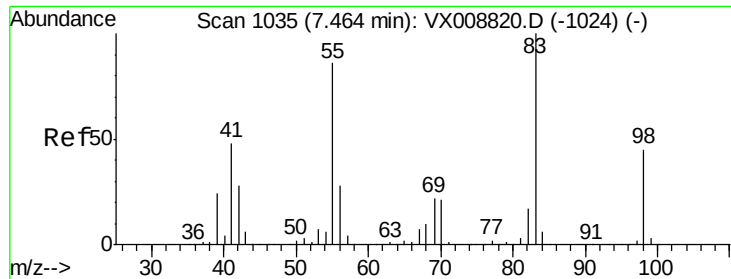
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4/12/2019 9:45:40 AM



#38
Carbon Tetrachloride
Concen: 54.090 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.0	112.6
121	29.2	24.3	36.5





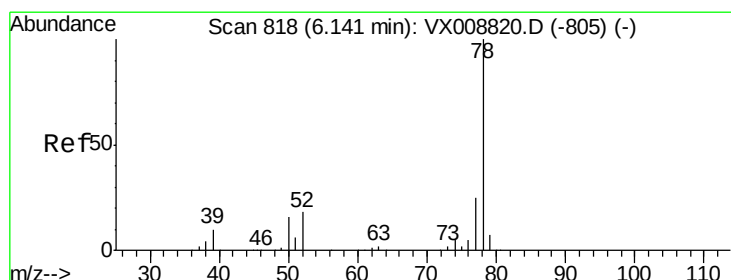
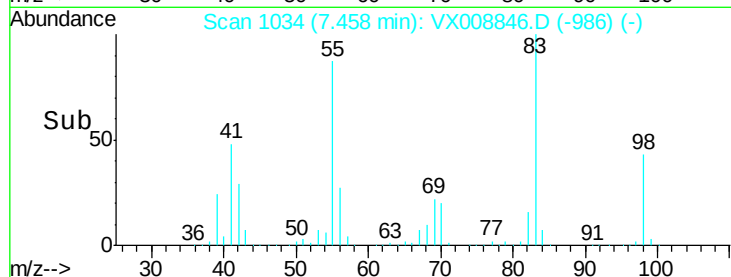
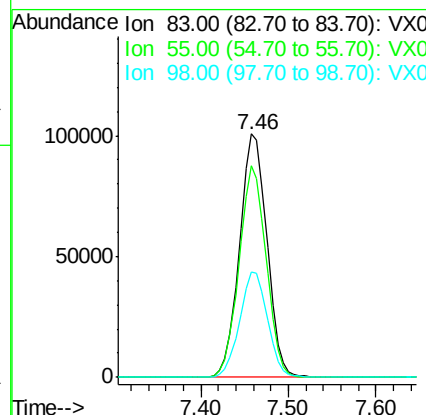
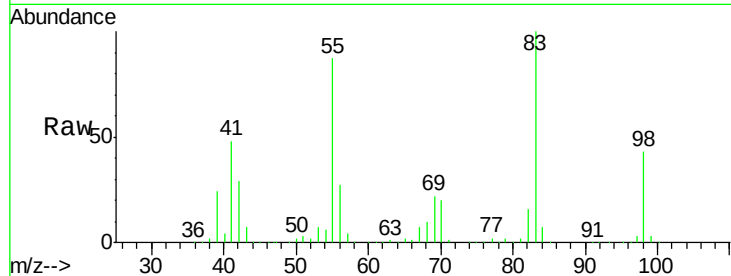
#39
Methylvlcyclohexane
Concen: 54.572 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	87.1	69.0	103.6	
98	43.2	34.4	51.6	

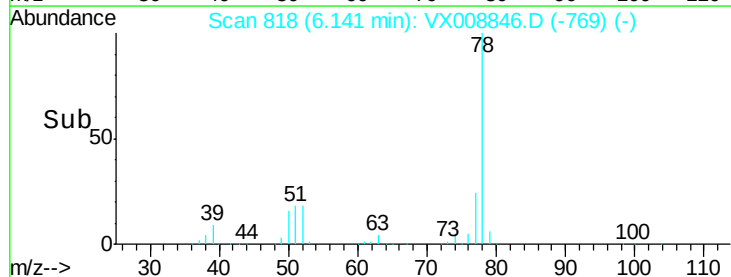
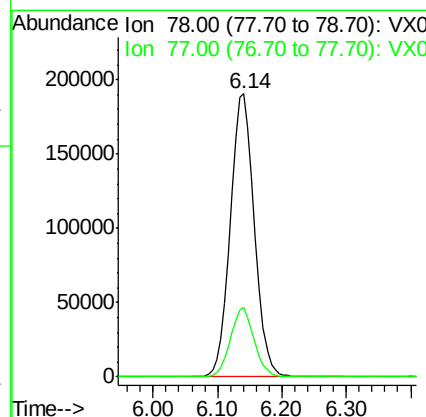
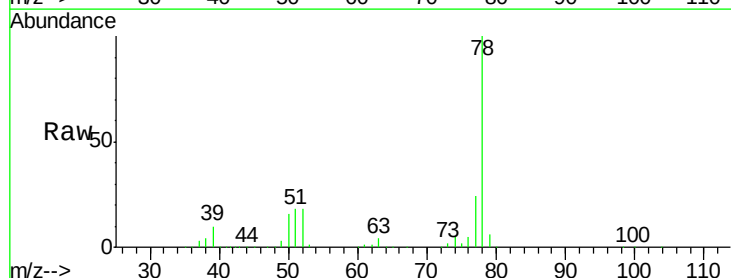
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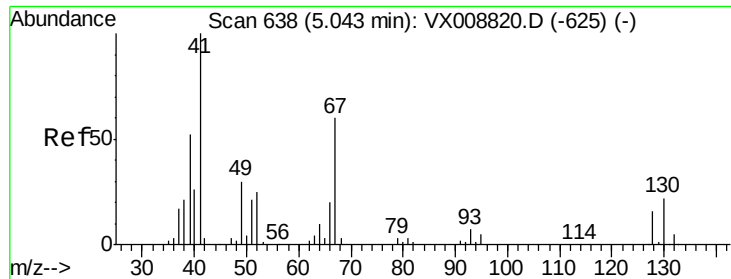
MMDadoda
4/12/2019 9:45:40 AM



#40
Benzene
Concen: 51.531 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	19.1	28.7	





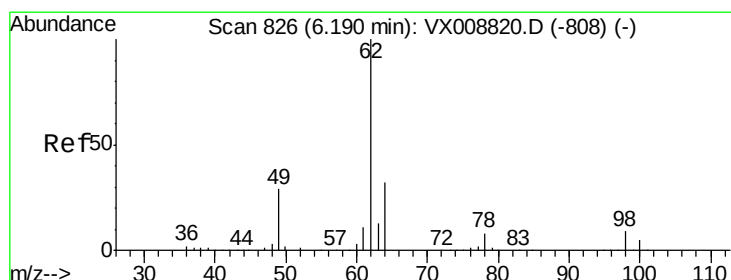
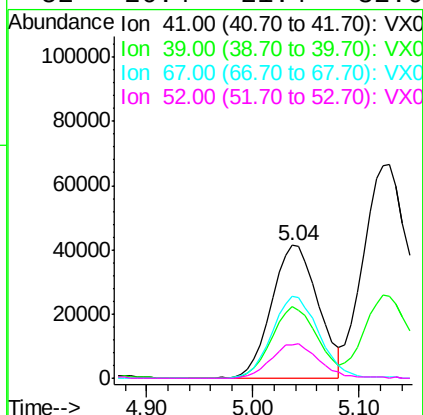
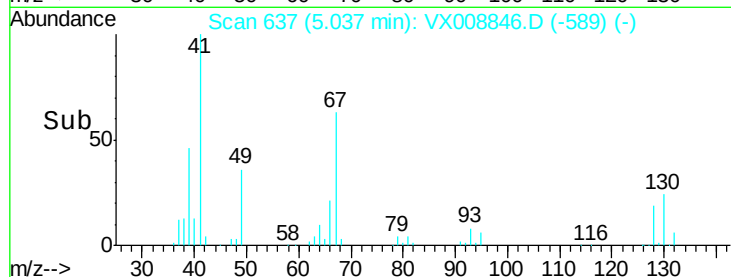
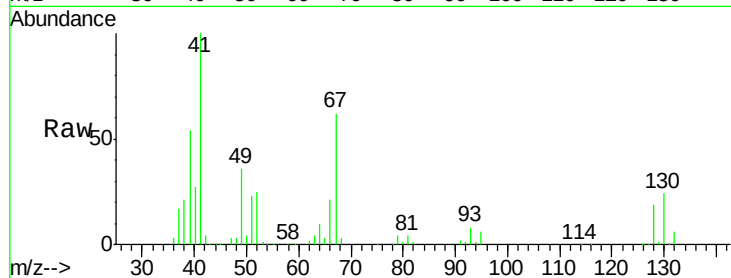
#41
Methacrylonitrile
Concen: 49.958 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.1	63.1	
67	62.5	51.0	76.6	
52	26.4	21.4	32.0	

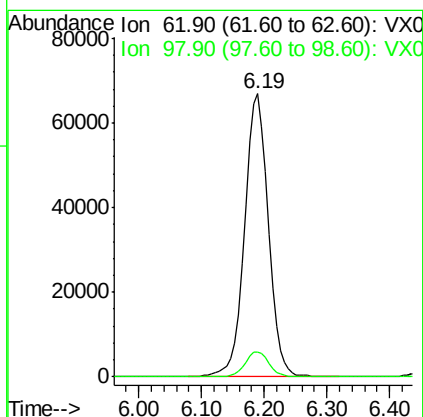
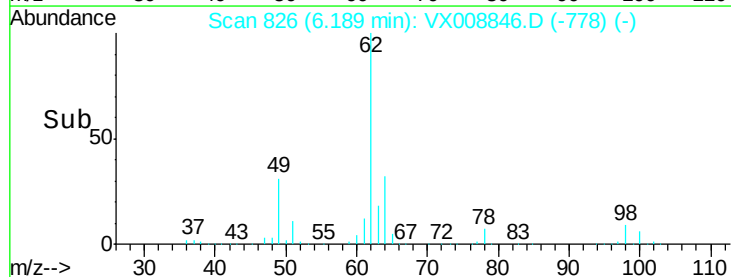
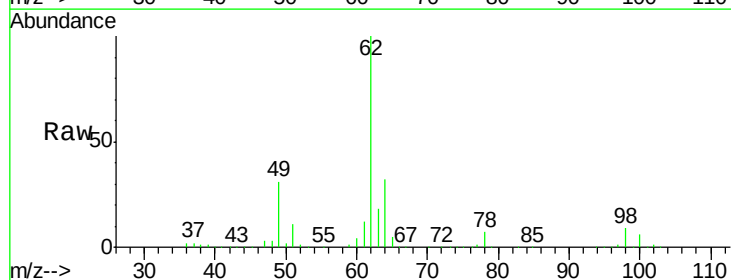
Manual Integrations
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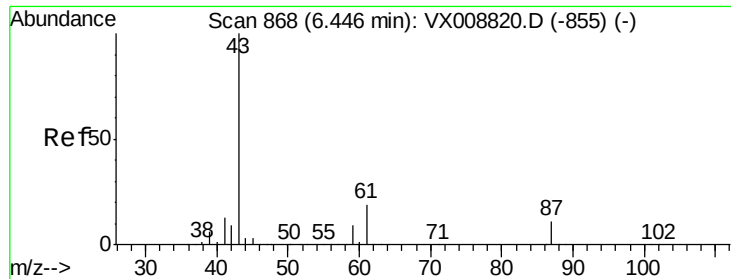
MMDadoda
4/12/2019 9:45:40 AM



#42
1,2-Dichloroethane
Concen: 50.297 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.0	





#43

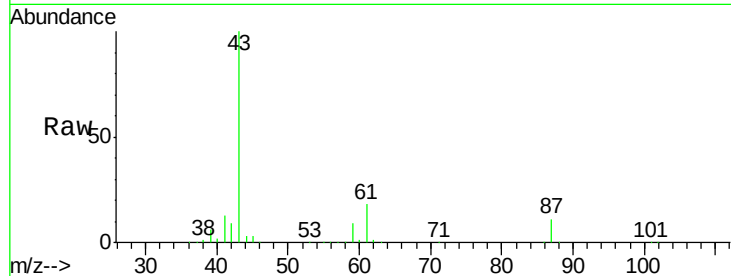
Isopropyl Acetate
 Concen: 52.571 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

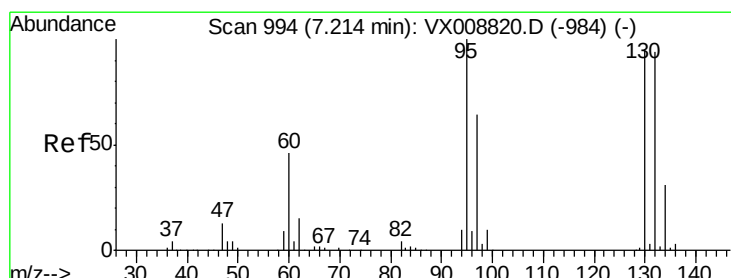
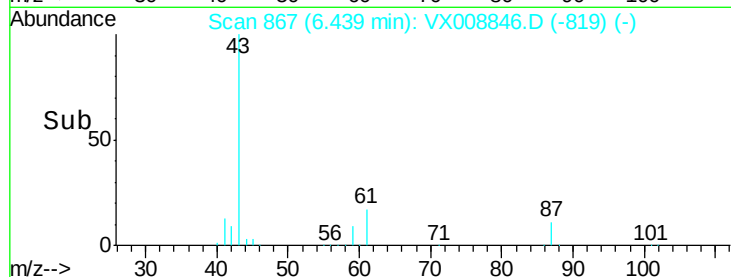
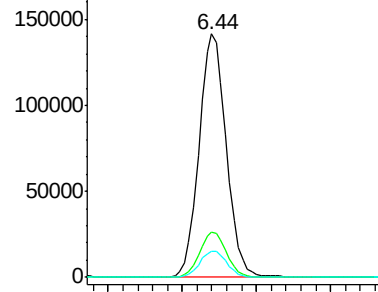
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.3	22.9
87	10.9	9.0	13.6

Manual Integrations
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MMDadoda
 4/12/2019 9:45:40 AM



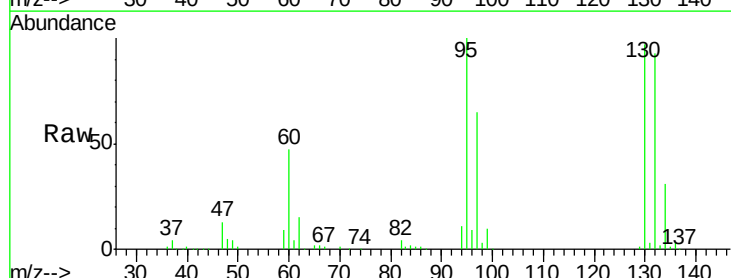
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



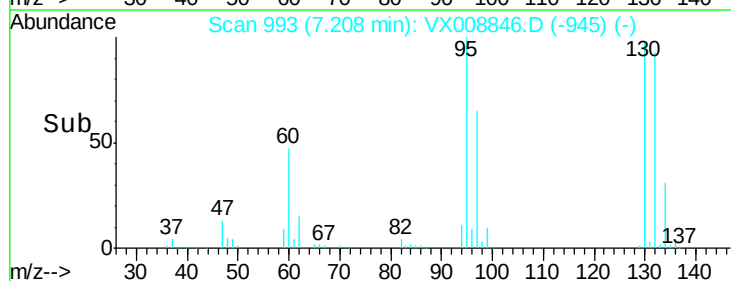
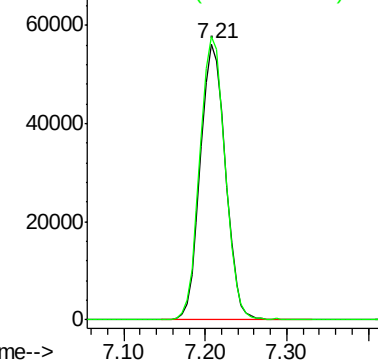
#44

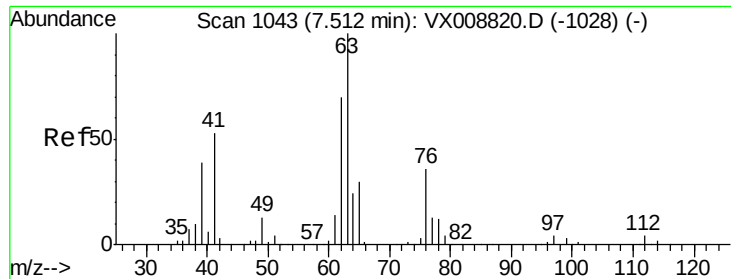
Trichloroethene
 Concen: 52.738 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	209.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





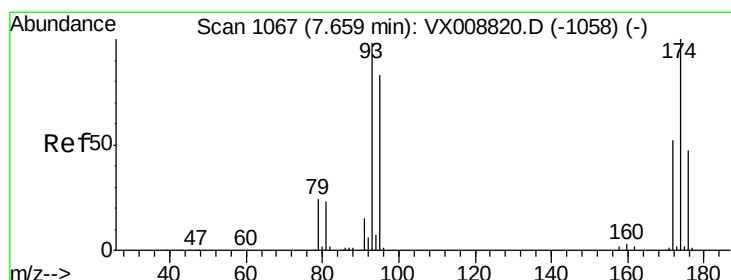
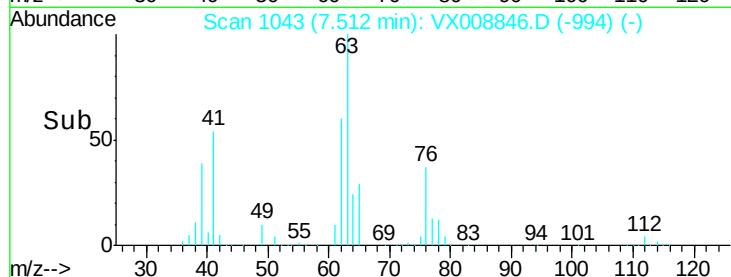
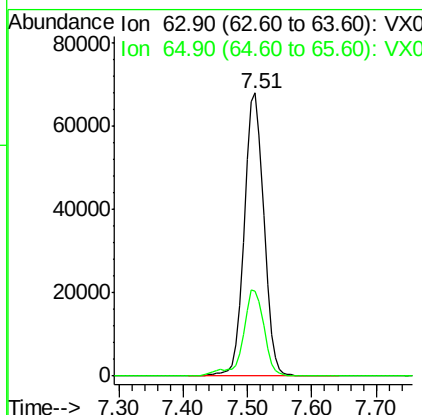
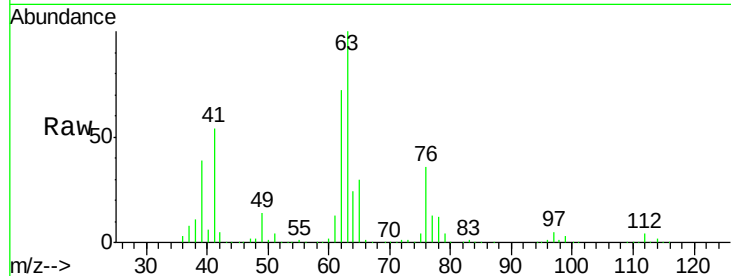
#45
 1,2-Dichloropropane
 Concen: 50.983 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 141609
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.4

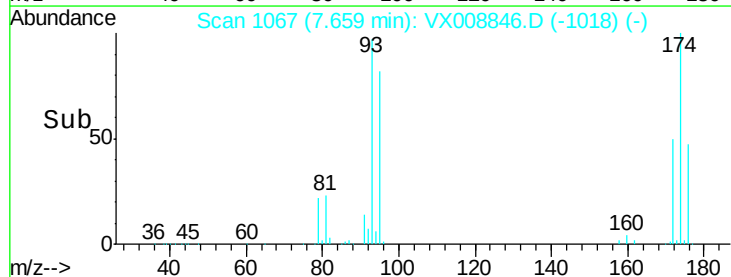
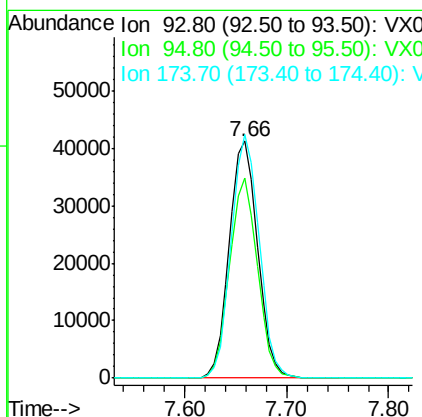
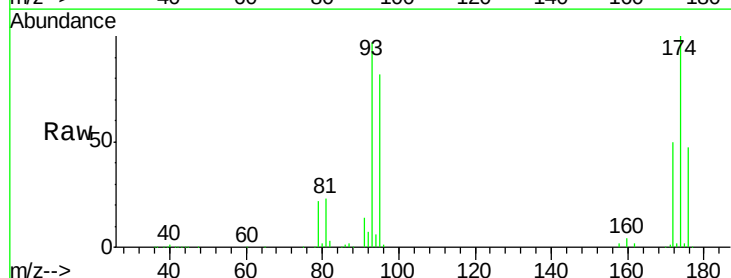
Manual Integrations
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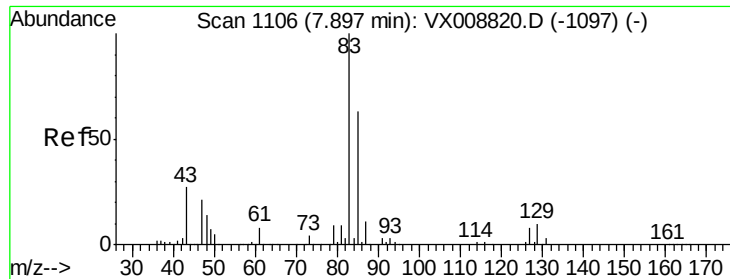
MMDadoda
 4/12/2019 9:45:40 AM



#46
 Dibromomethane
 Concen: 49.394 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion: 93 Resp: 79570
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.6 99.8
 174 101.5 77.7 116.5





#47

Bromodichloromethane

Concen: 52.896 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

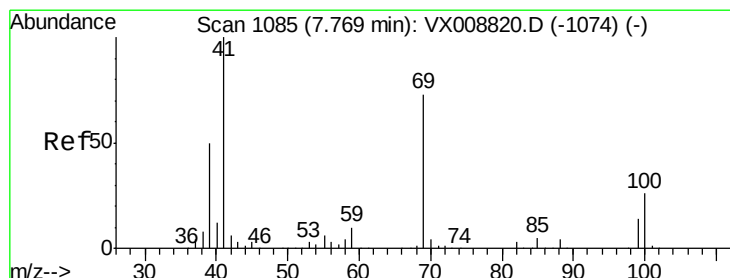
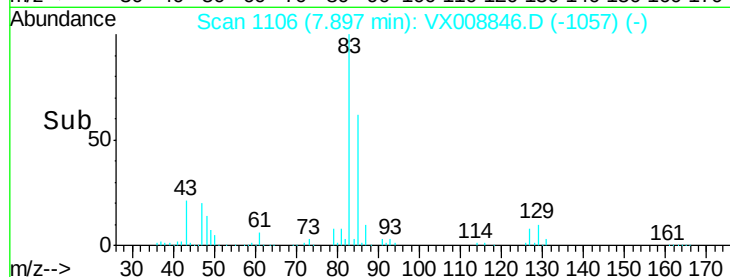
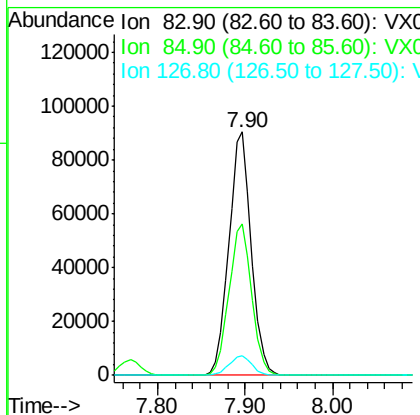
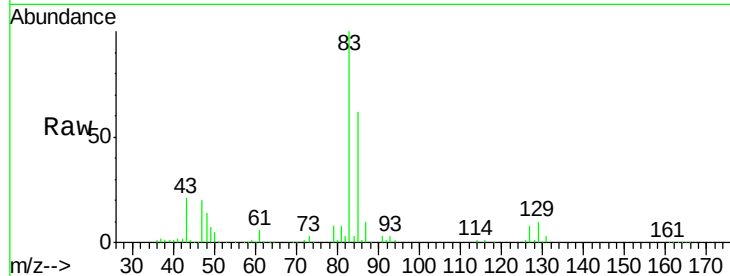
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	160666
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.2	76.8
127	8.2	6.6	10.0

Manual Integrations
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4/12/2019 9:45:40 AM



#48

Methyl methacrylate

Concen: 53.031 ug/l

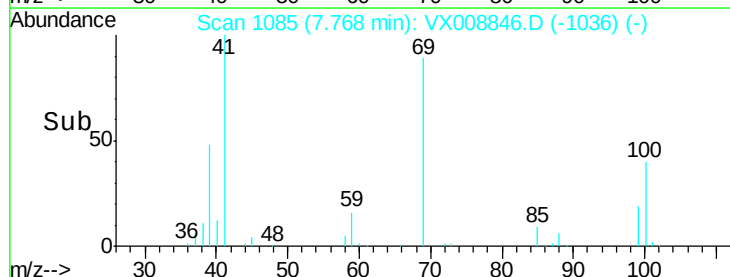
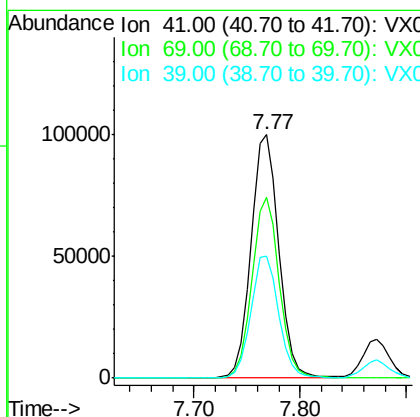
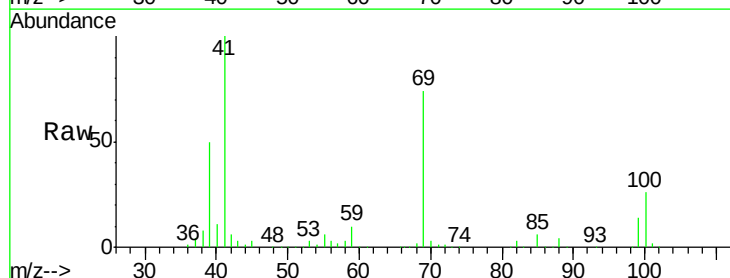
RT: 7.77 min Scan# 1085

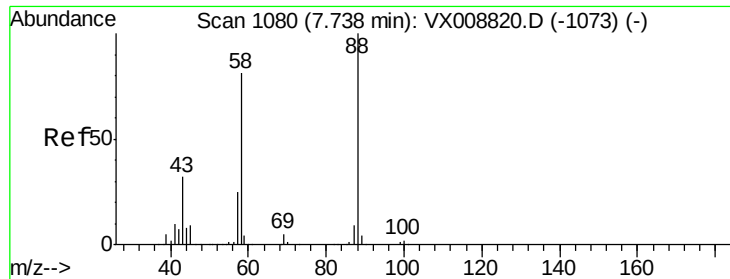
Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Tgt Ion:	41	Resp:	183222
Ion	Ratio	Lower	Upper
41	100		
69	73.1	59.0	88.4
39	50.0	41.0	61.4





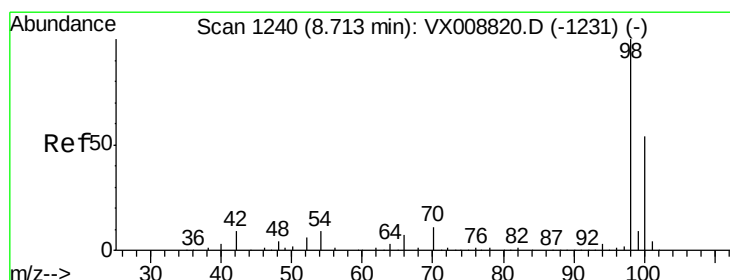
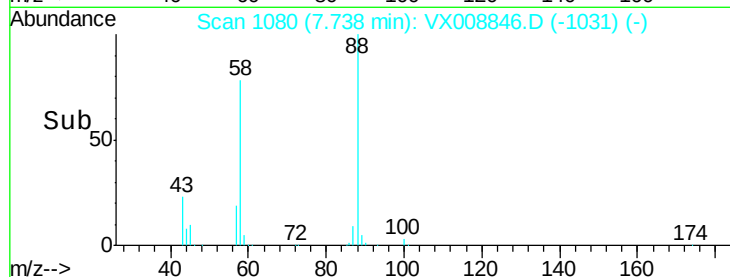
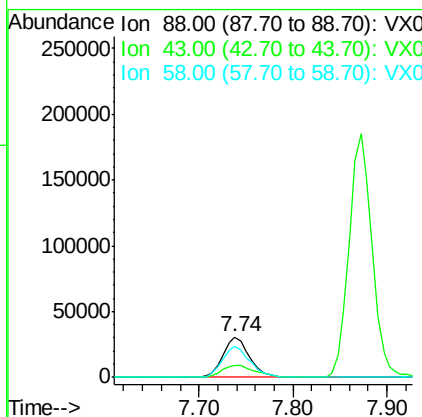
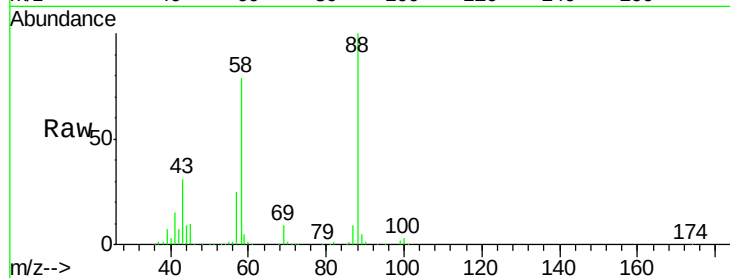
#49
1,4-Dioxane
Concen: 926.482 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	28.6	43.0
58	80.9	62.2	93.2

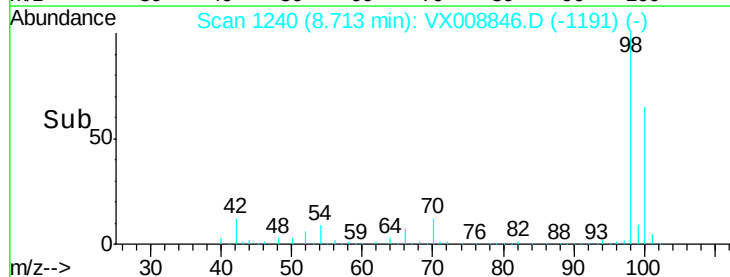
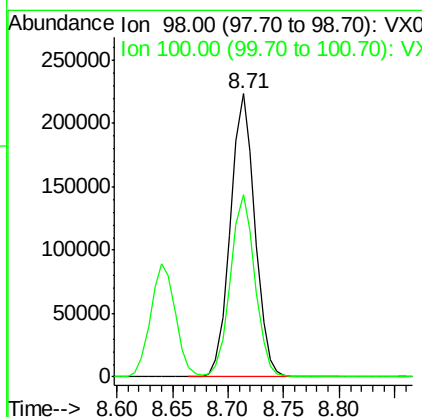
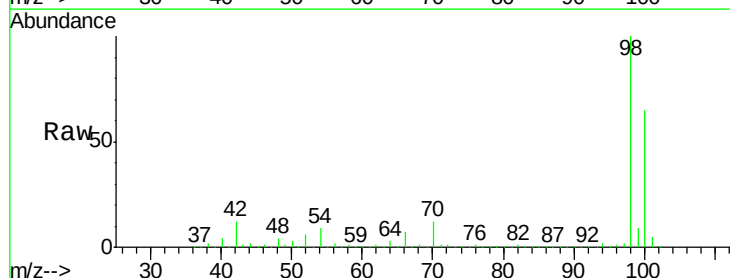
Manual Integrations
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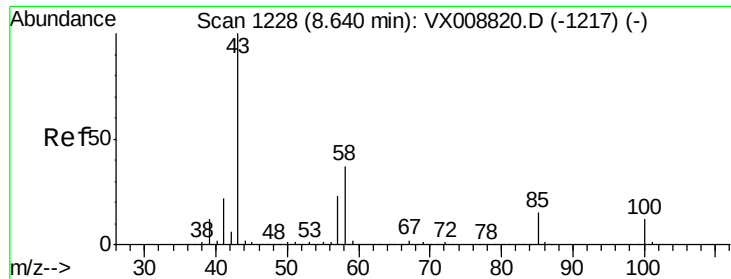
MMDadoda
4/12/2019 9:45:40 AM



#50
Toluene-d8
Concen: 44.691 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 260.608 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1145843

Ion Ratio Lower Upper

43 100

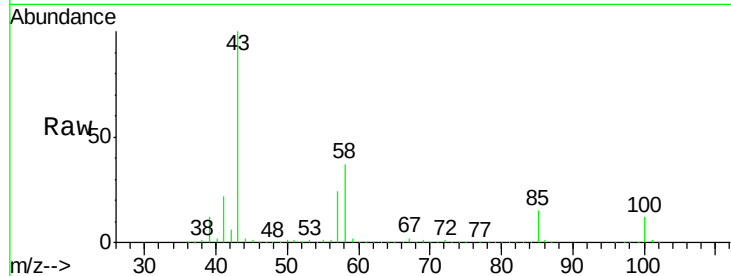
58 36.7 29.5 44.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

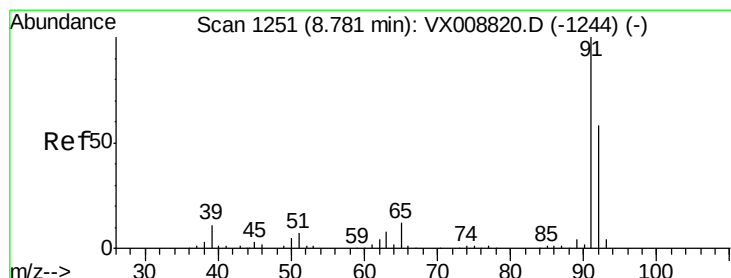
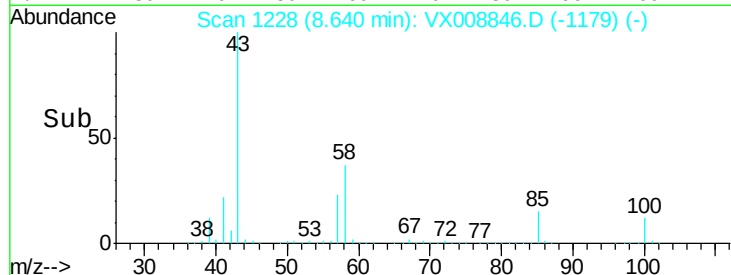
600000

400000

200000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 53.309 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008846.D

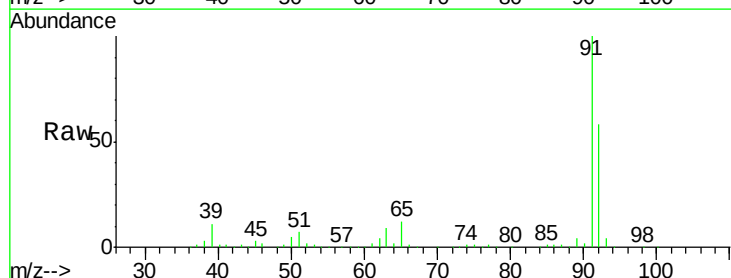
Acq: 11 Apr 2019 12:40

Tgt Ion: 92 Resp: 305842

Ion Ratio Lower Upper

92 100

91 173.1 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

400000

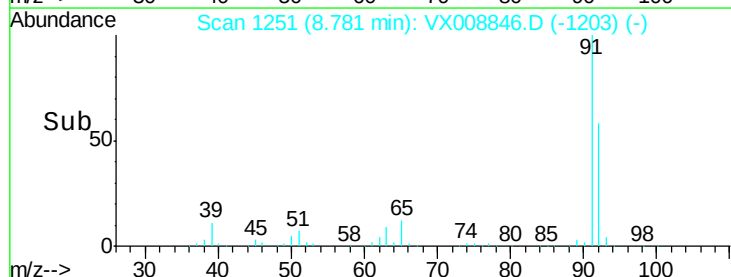
300000

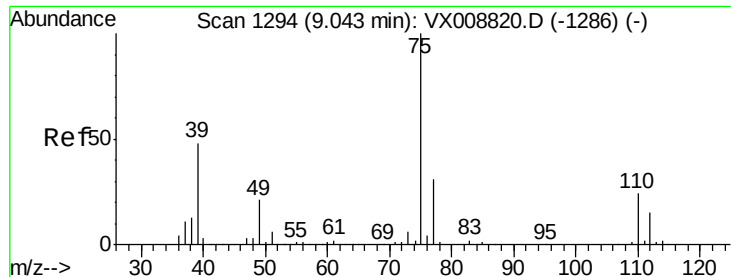
200000

100000

0

Time--> 8.70 8.75 8.80 8.85 8.90





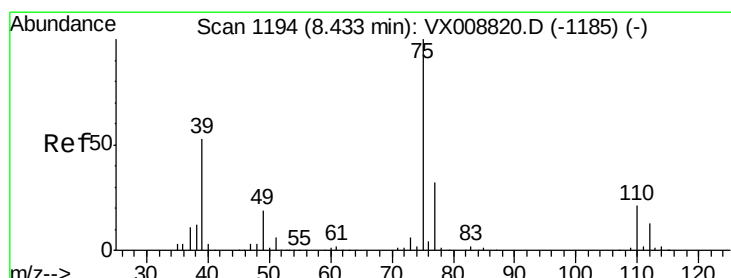
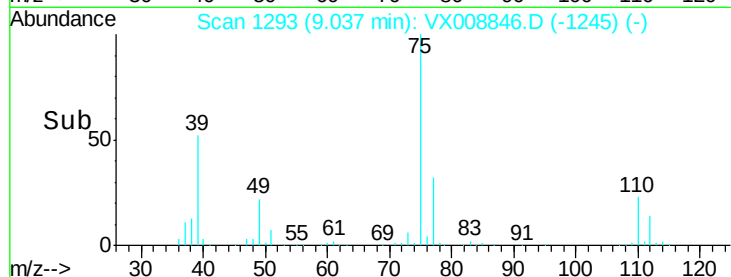
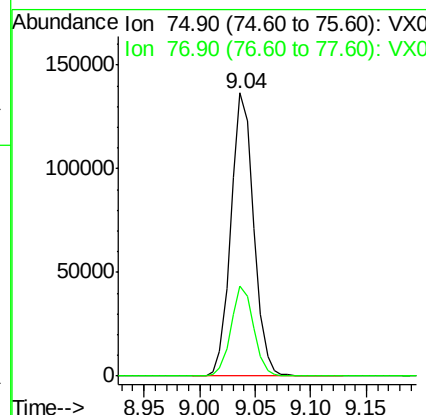
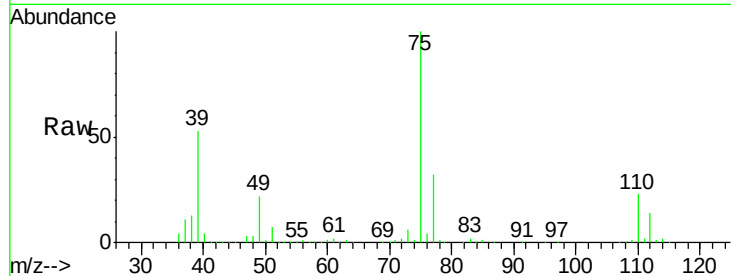
#53
 t-1,3-Dichloropropene
 Concen: 56.833 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 193371
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8

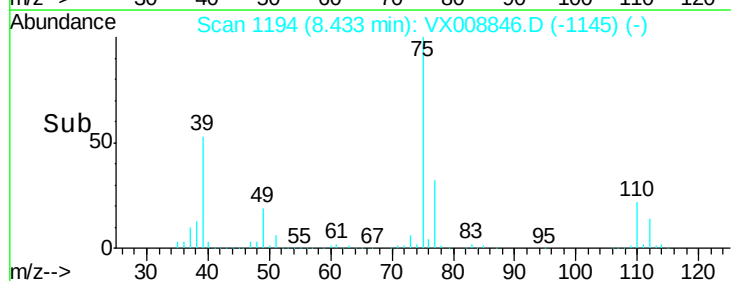
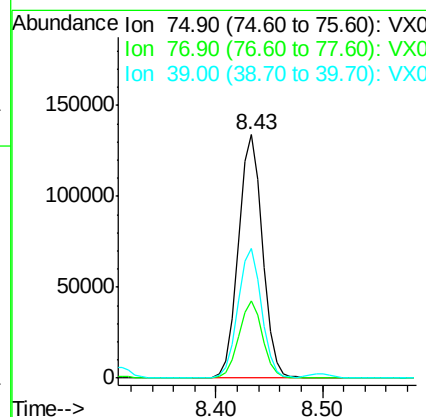
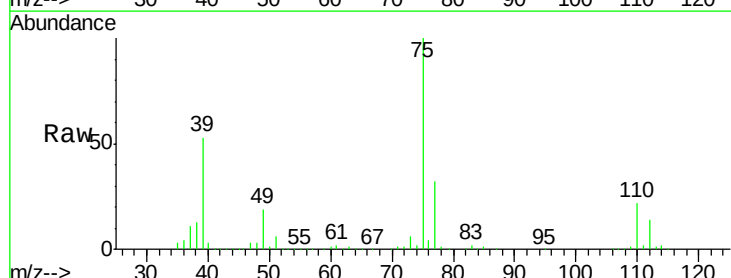
Manual Integrations
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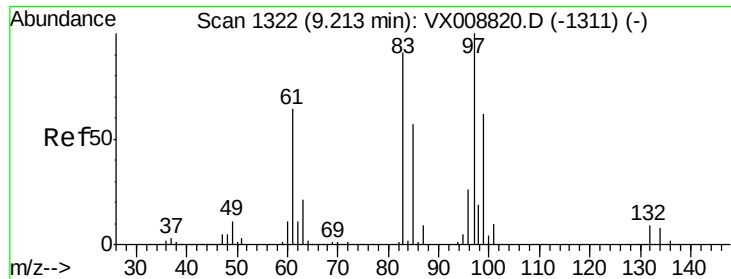
MMDadoda
 4/12/2019 9:45:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.872 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion: 75 Resp: 213328
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 53.0 42.6 63.8





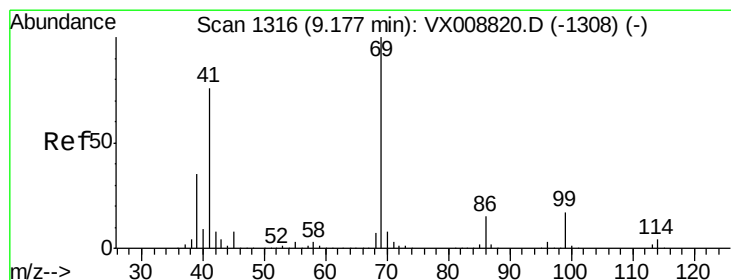
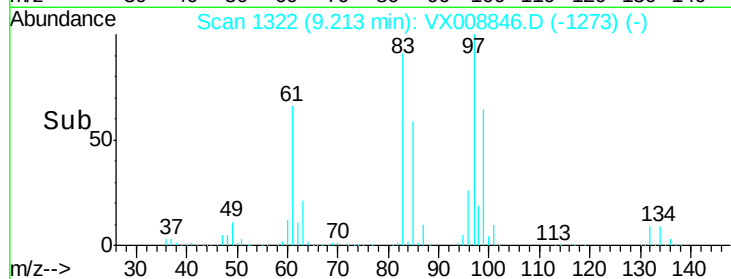
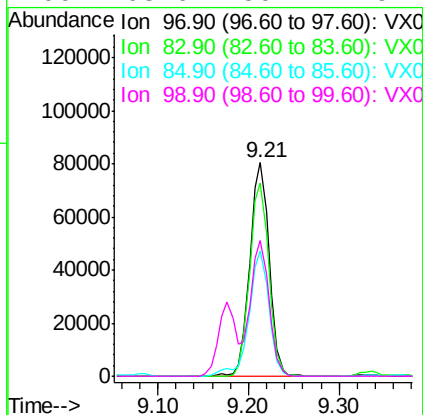
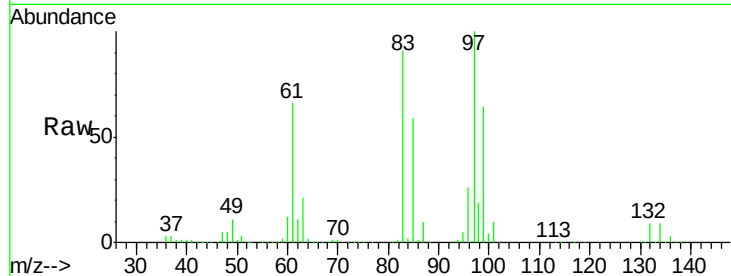
#55
 1,1,2-Trichloroethane
 Concen: 51.604 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	118839
Ion	Ratio	Lower	Upper
97	100		
83	90.6	73.2	109.8
85	59.0	46.6	69.8
99	63.6	50.1	75.1

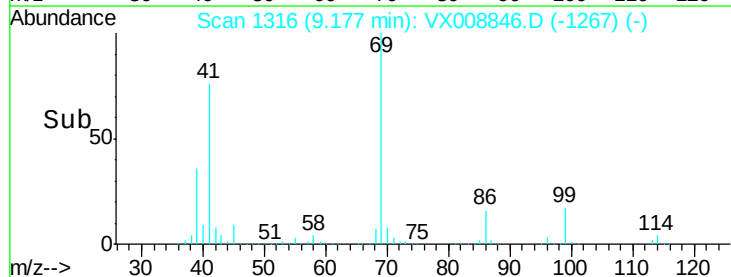
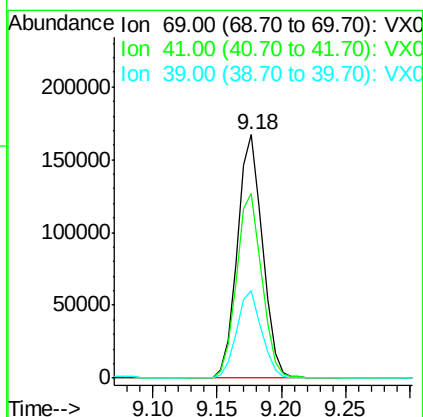
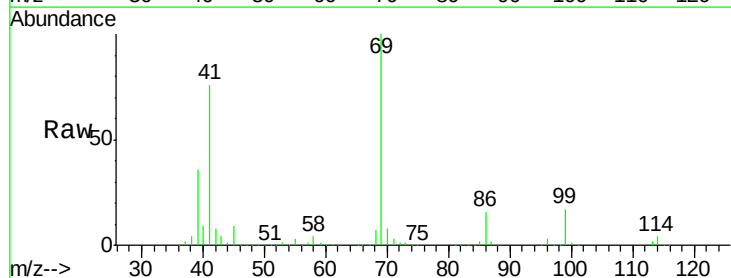
Manual Integrations
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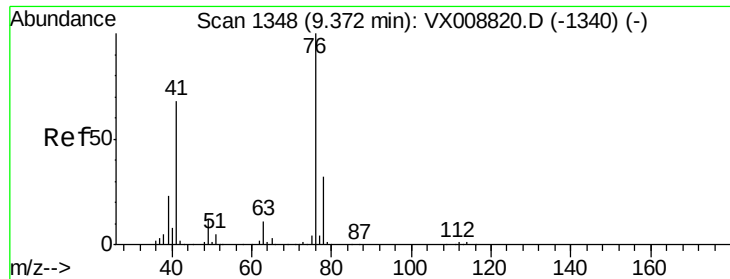
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#56
 Ethyl methacrylate
 Concen: 54.498 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion:	69	Resp:	227080
Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.1	90.1
39	35.7	28.9	43.3





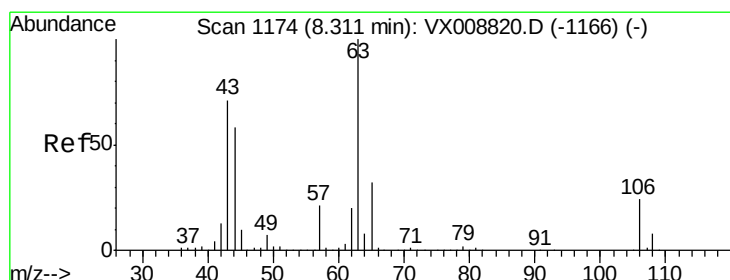
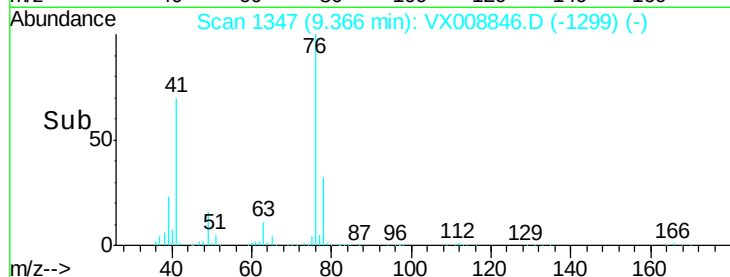
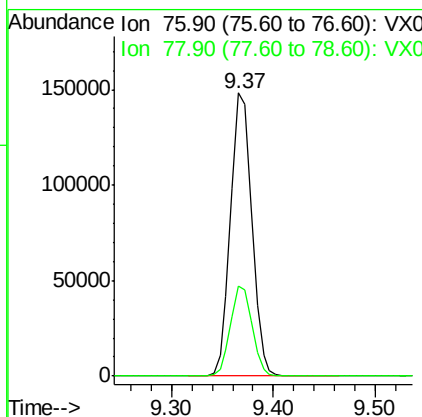
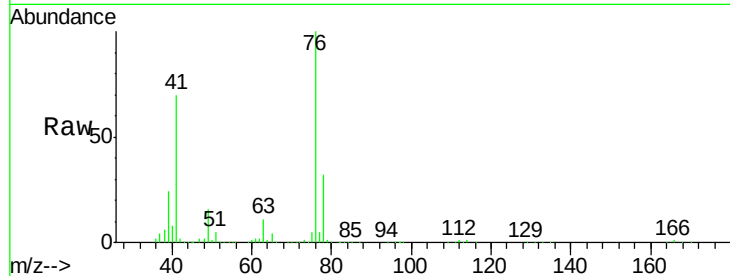
#57
 1,3-Dichloropropane
 Concen: 51.831 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 214334
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4

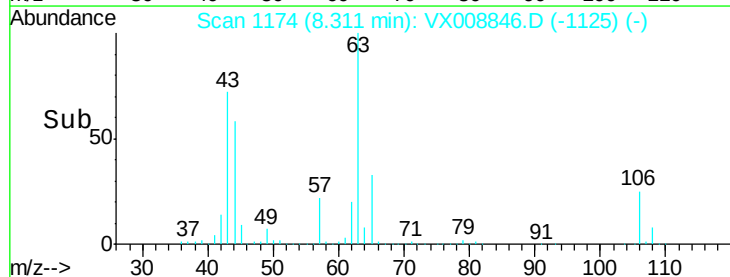
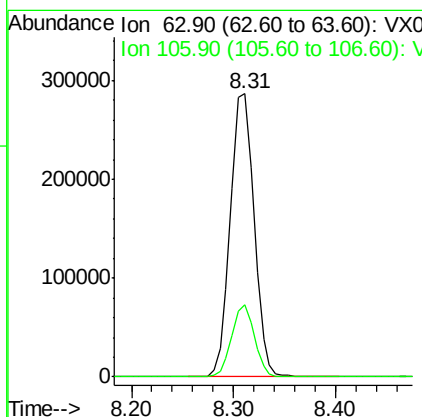
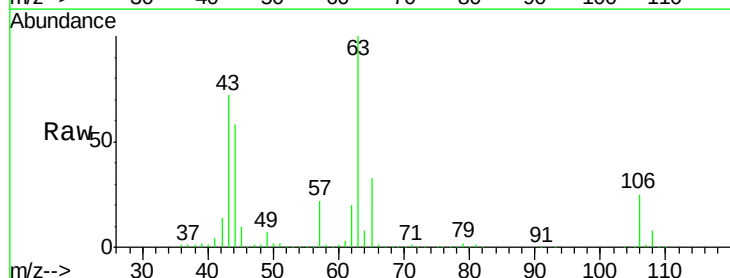
Manual Integrations
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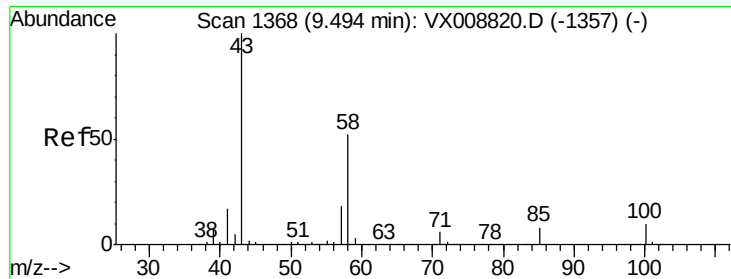
MMDadoda
 4/12/2019 9:45:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 216.741 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion: 63 Resp: 461140
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.0 28.6





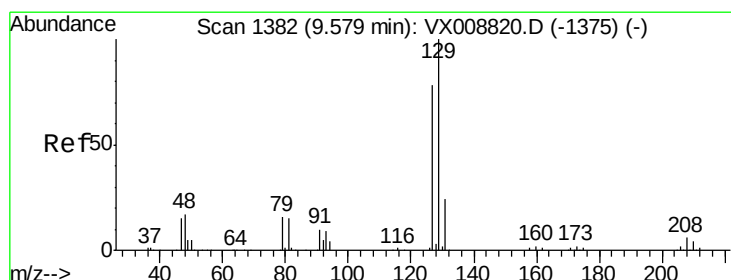
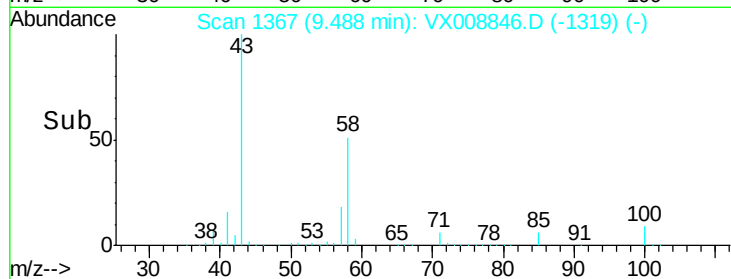
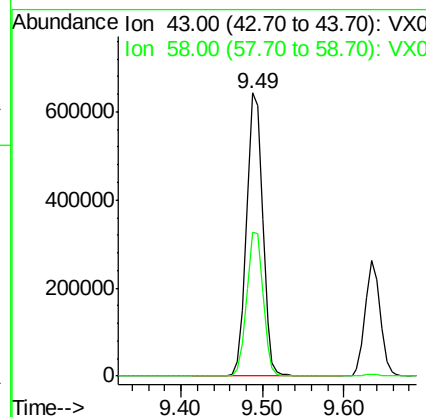
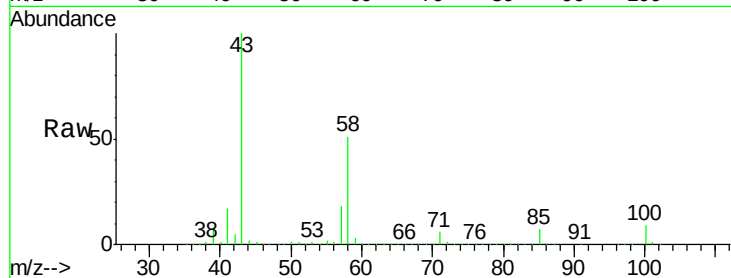
#59
2-Hexanone
Concen: 255.221 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 872080
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.7

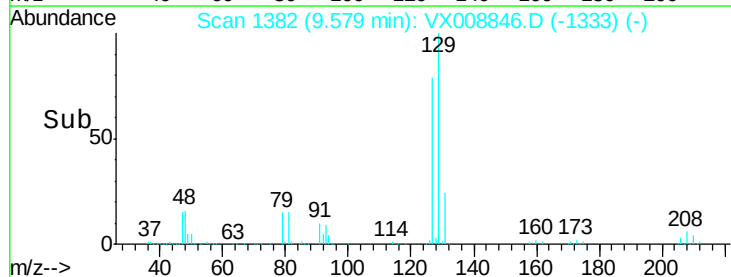
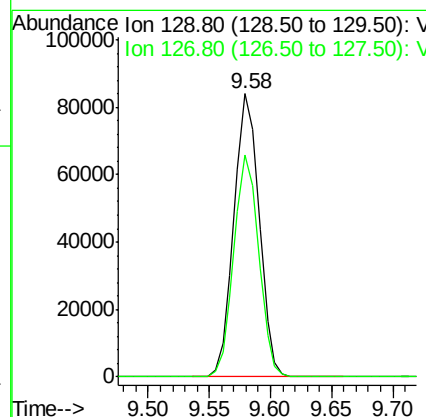
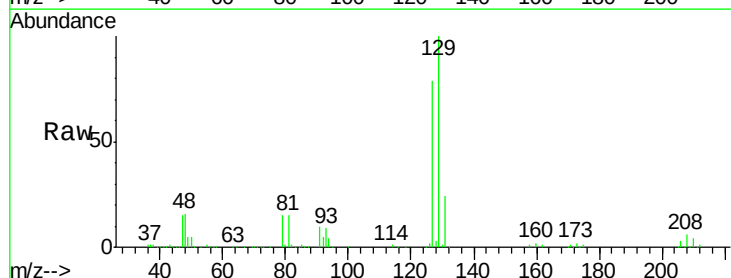
Manual Integrations
APPROVED

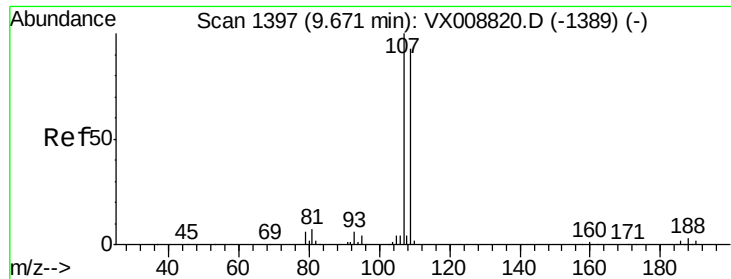
MMDadoda
4/12/2019 9:45:40 AM



#60
Dibromochloromethane
Concen: 55.259 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion:129 Resp: 119918
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.496 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

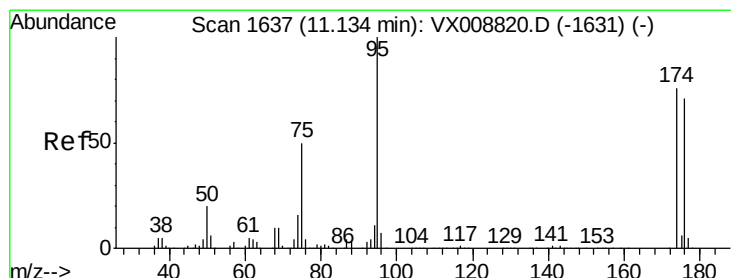
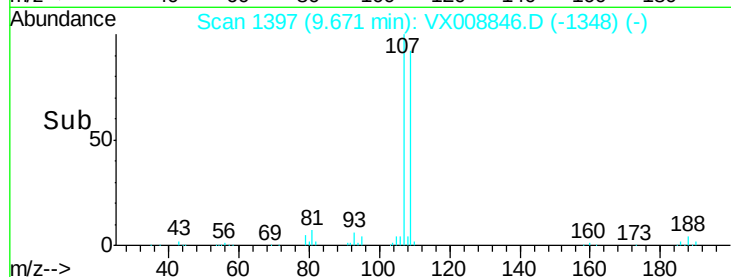
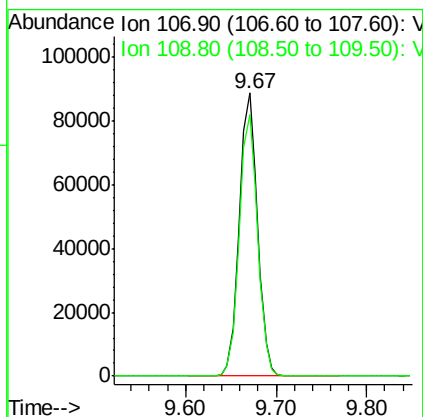
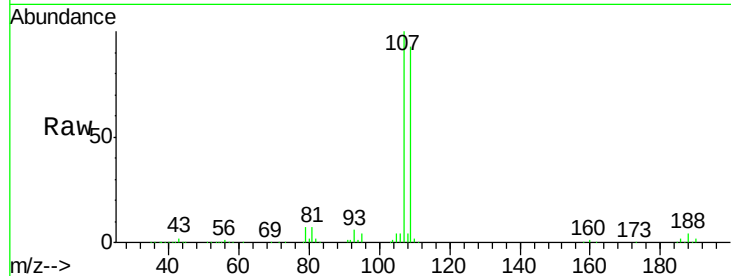
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.1	111.1

Manual Integrations
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4/12/2019 9:45:40 AM



#62

4-Bromofluorobenzene

Concen: 47.525 ug/l

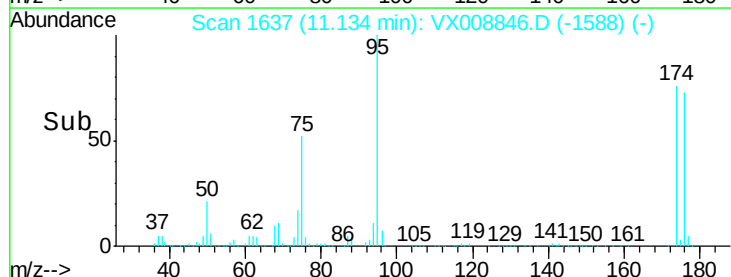
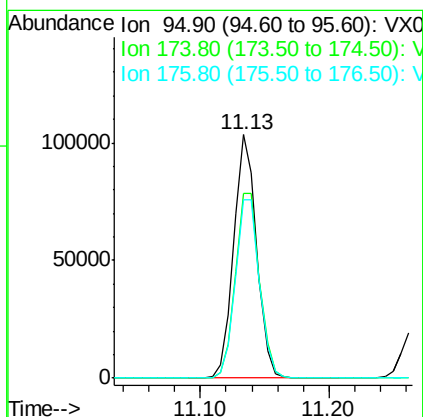
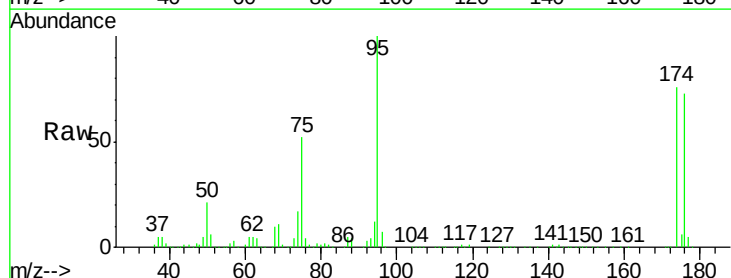
RT: 11.13 min Scan# 1637

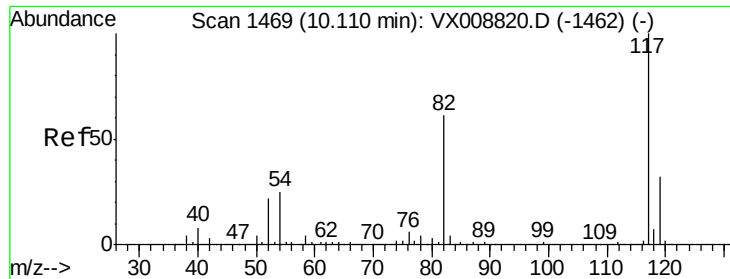
Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	151.8
176	77.5	0.0	145.8





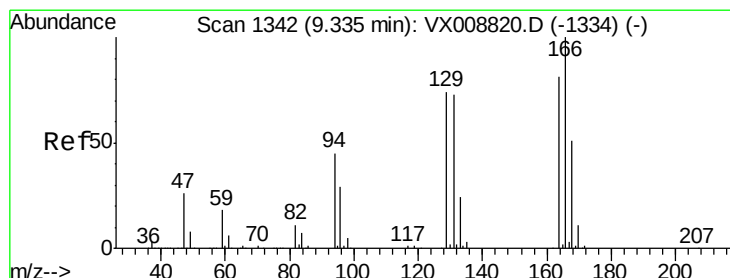
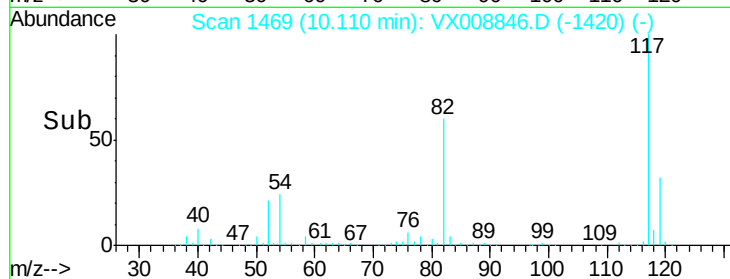
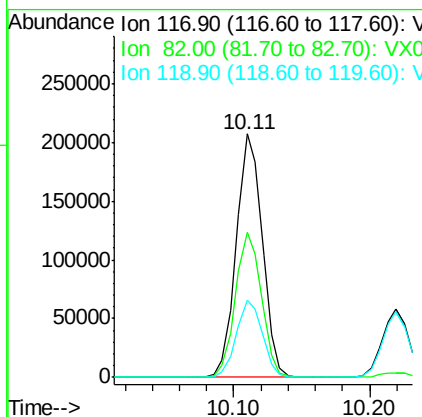
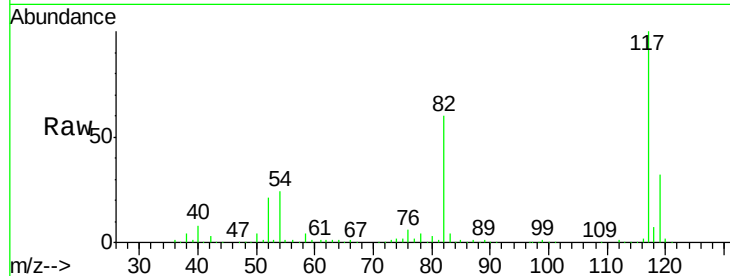
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	49.6	74.4
119	31.5	25.0	37.4

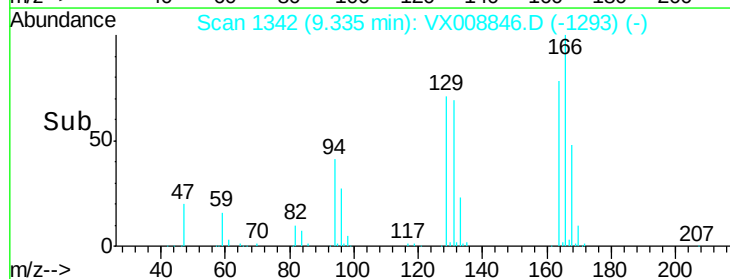
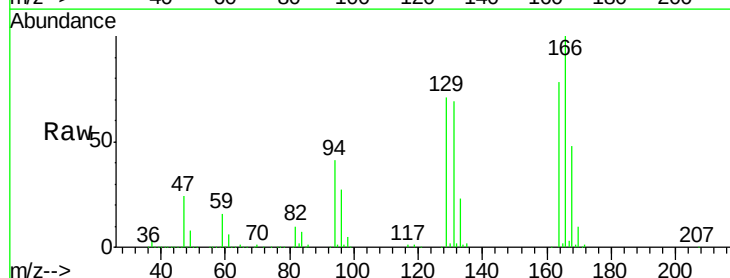
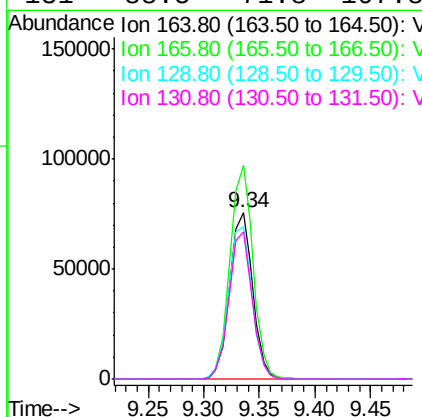
Manual Integrations
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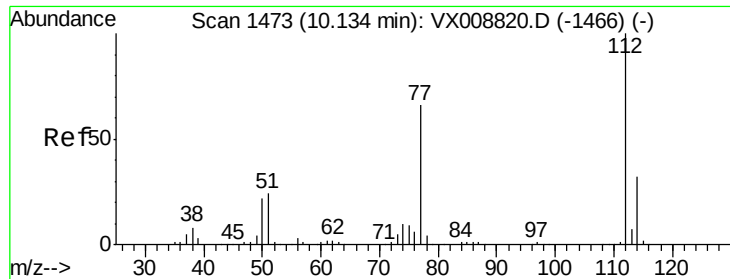
MMDadoda
4/12/2019 9:45:40 AM



#64
Tetrachloroethene
Concen: 53.088 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.0	151.6
129	91.7	75.8	113.8
131	88.5	71.8	107.8





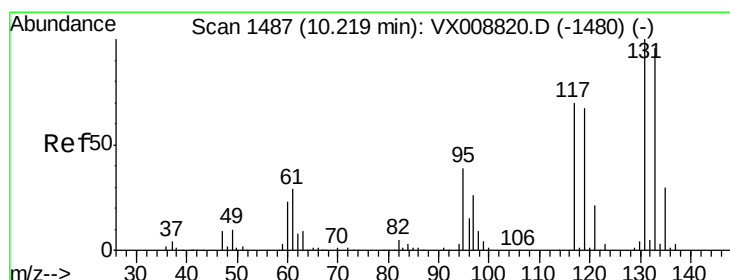
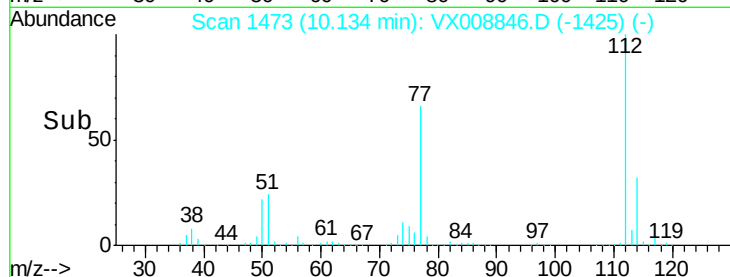
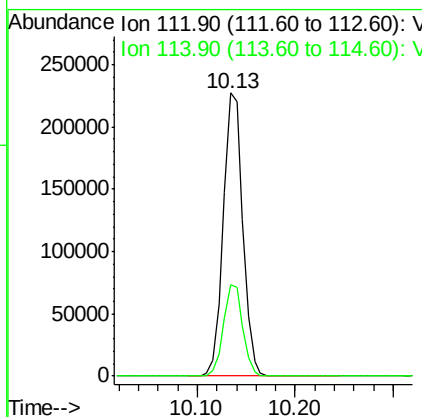
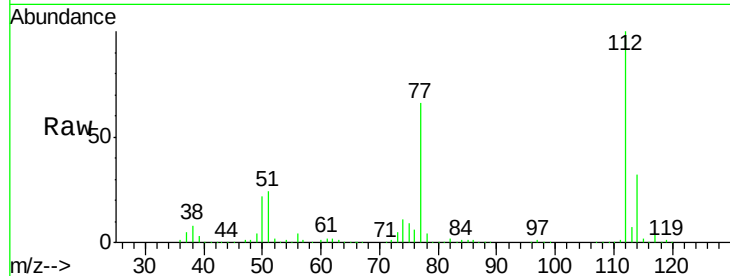
#65
Chlorobenzene
Concen: 51.265 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 314188
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

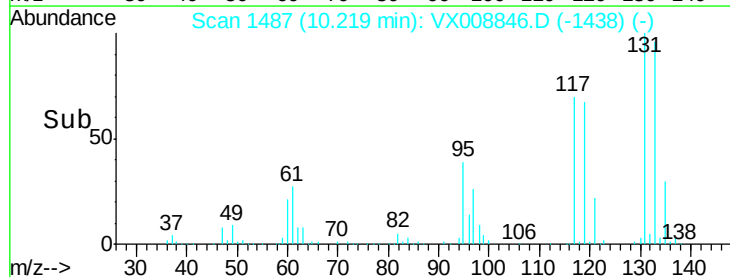
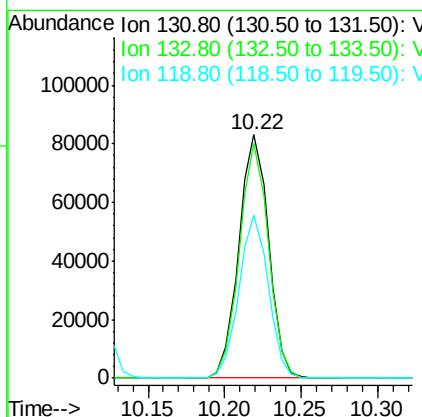
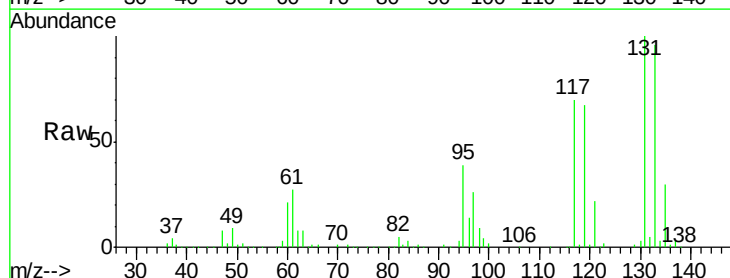
Manual Integrations
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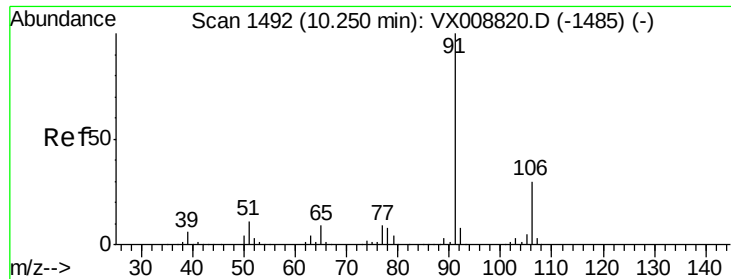
MMDadoda
4/12/2019 9:45:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.075 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion:131 Resp: 111963
Ion Ratio Lower Upper
131 100
133 94.5 47.0 141.2
119 66.5 33.7 101.0





#67

Ethyl Benzene

Concen: 52.170 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 596194

Ion Ratio Lower Upper

91 100

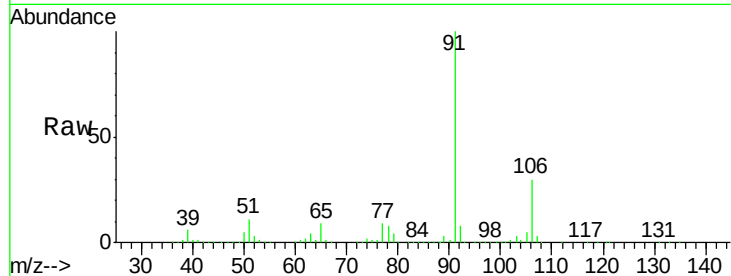
106 30.0 23.7 35.5

Manual Integrations

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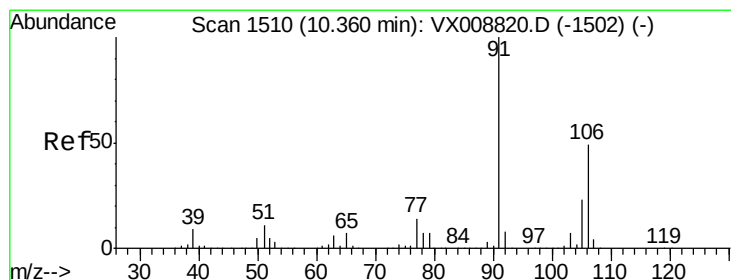
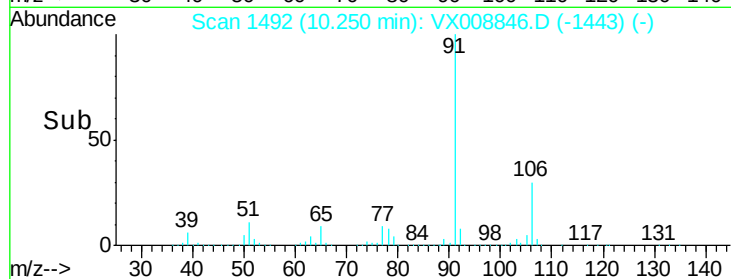
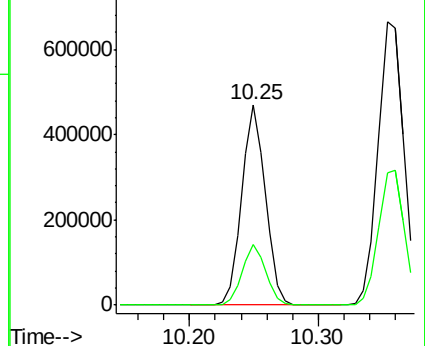
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 105.988 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008846.D

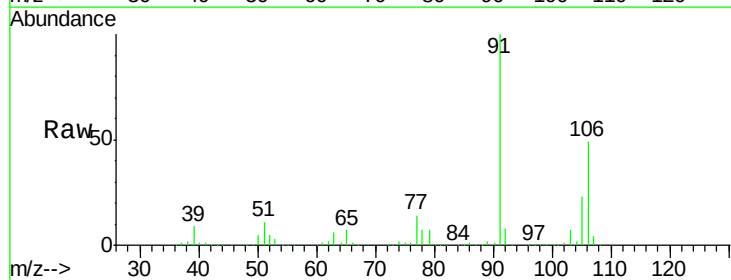
Acq: 11 Apr 2019 12:40

Tgt Ion: 106 Resp: 435503

Ion Ratio Lower Upper

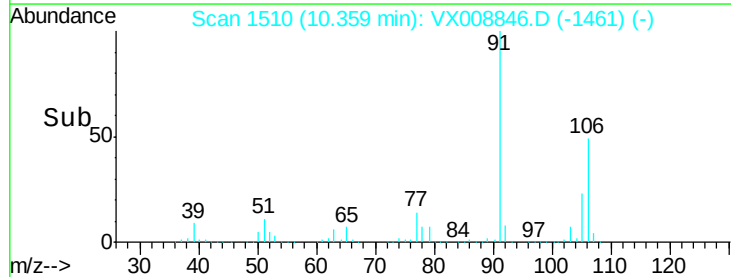
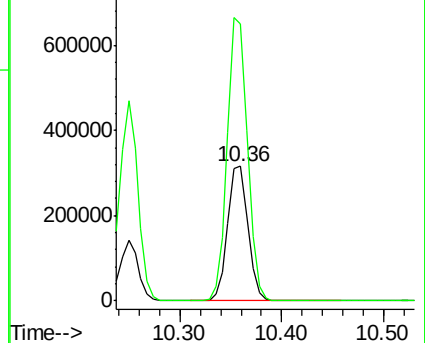
106 100

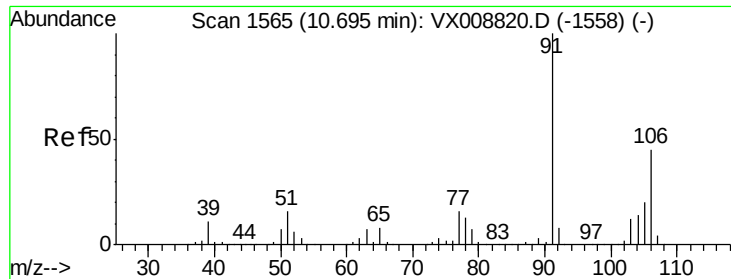
91 209.2 168.5 252.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





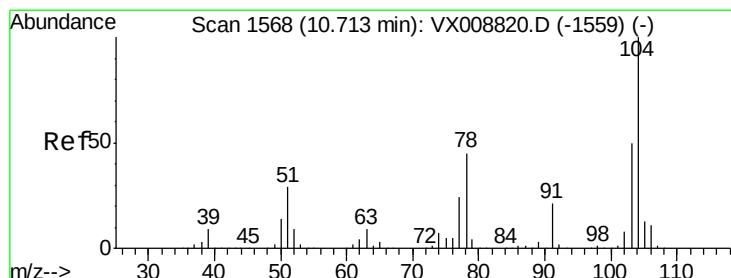
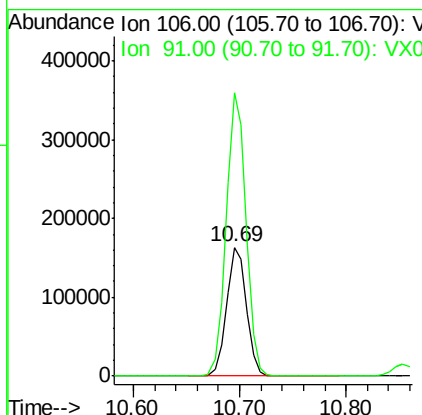
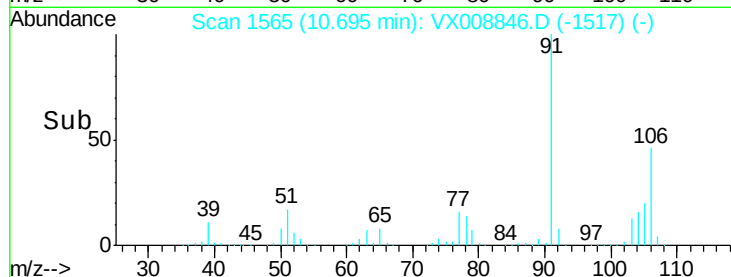
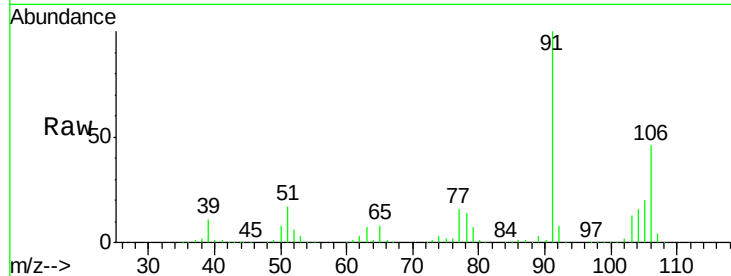
#69
o-Xylene
Concen: 53.261 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 212087
Ion Ratio Lower Upper
106 100
91 219.7 111.5 334.4

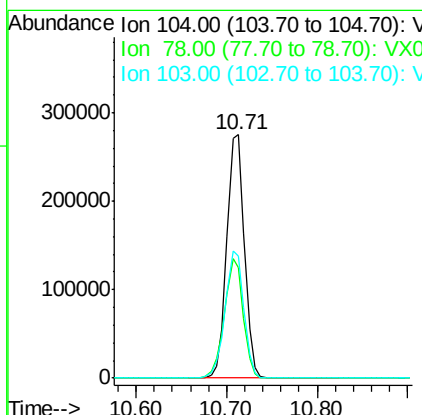
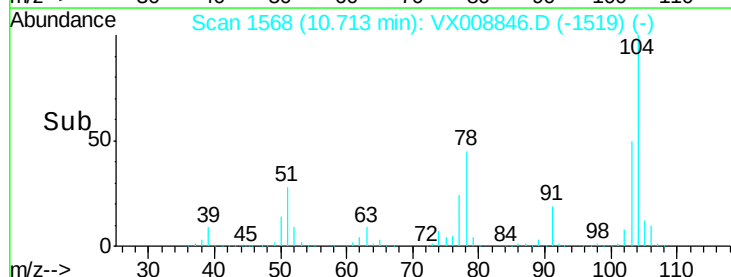
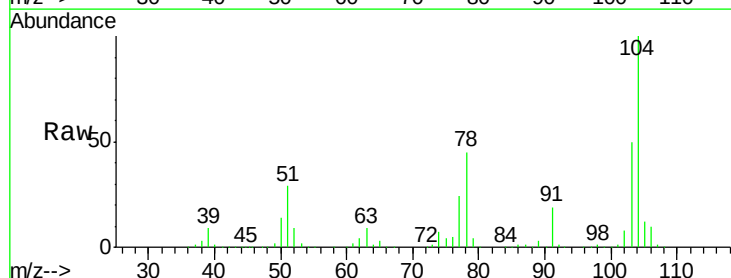
Manual Integrations
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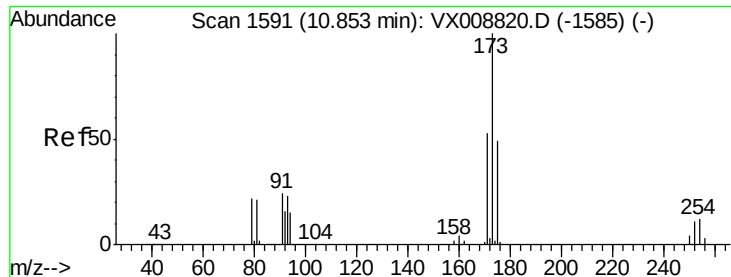
MMDadoda
4/12/2019 9:45:40 AM



#70
Styrene
Concen: 54.128 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion:104 Resp: 371542
Ion Ratio Lower Upper
104 100
78 52.4 42.3 63.5
103 55.7 44.4 66.6





#71

Bromoform

Concen: 54.279 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 89131

Ion Ratio Lower Upper

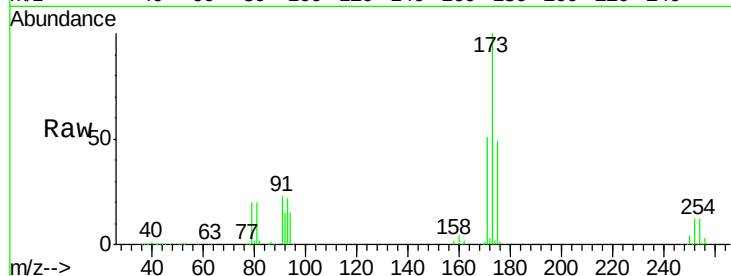
173 100

175 49.0 24.9 74.6

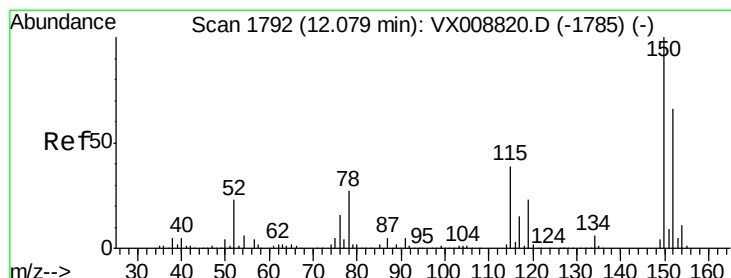
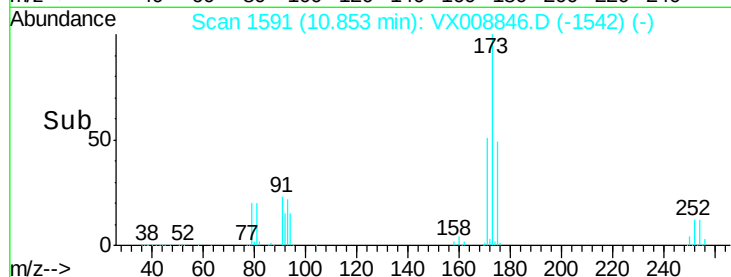
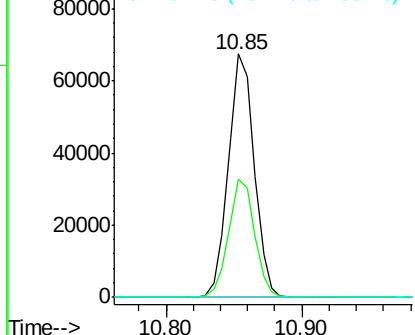
254 0.2 0.1 0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

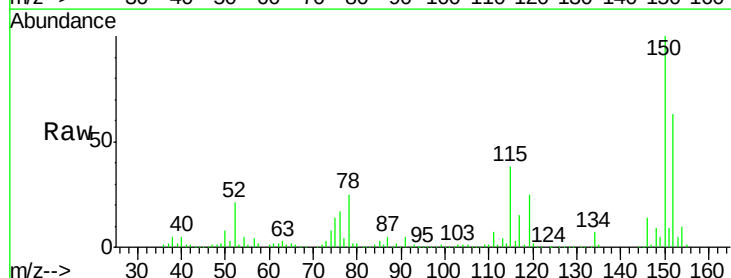
Tgt Ion:152 Resp: 133459

Ion Ratio Lower Upper

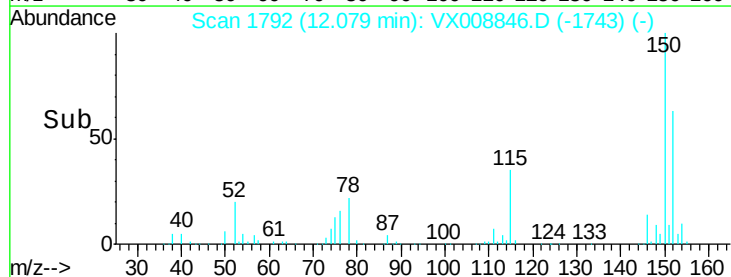
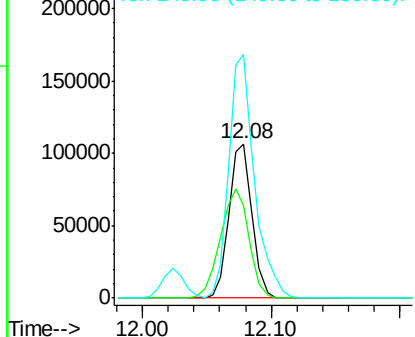
152 100

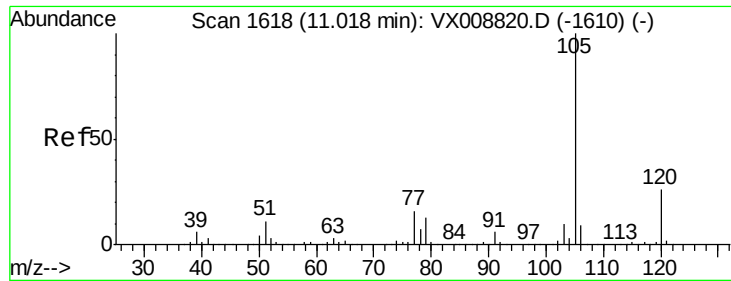
115 87.8 43.5 130.5

150 176.0 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.366 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 568116

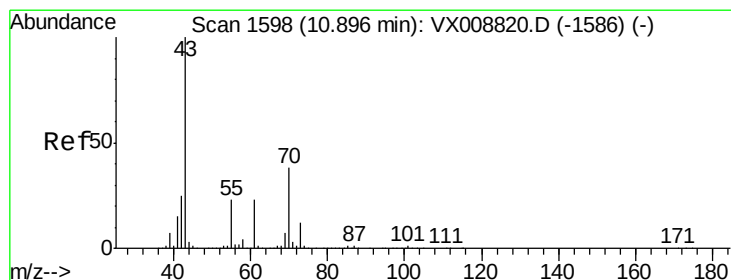
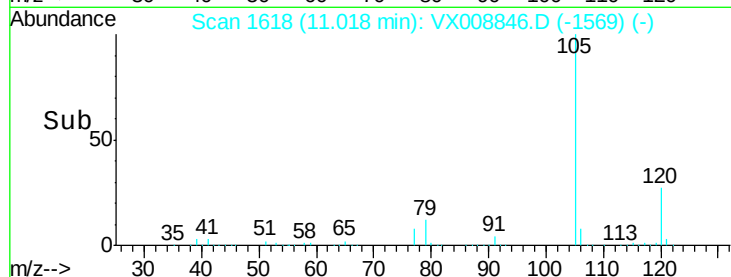
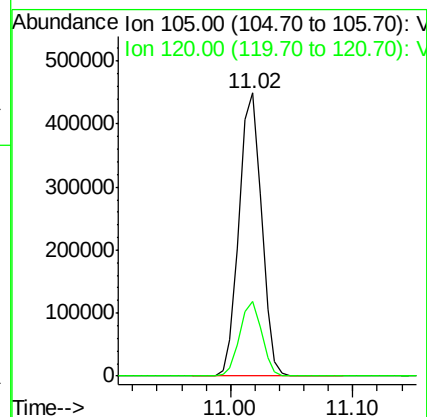
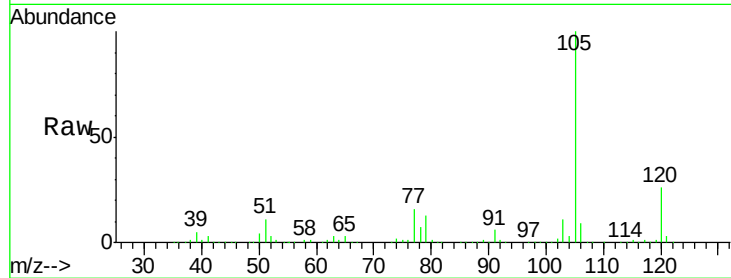
Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.6

Manual Integrations
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4/12/2019 9:45:40 AM



#74

N-ethyl acetate

Concen: 49.209 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Tgt Ion: 43 Resp: 320212

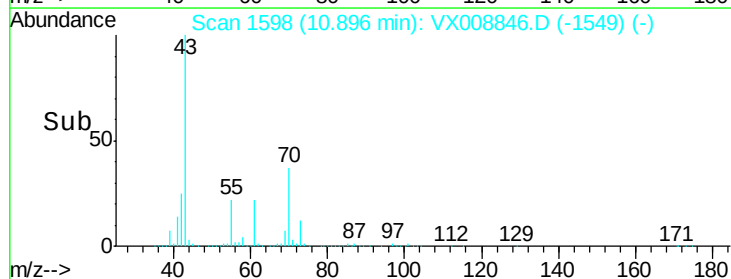
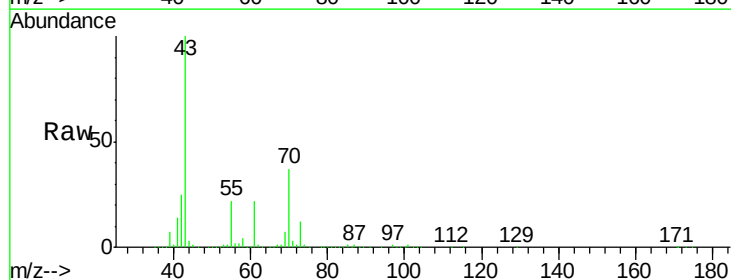
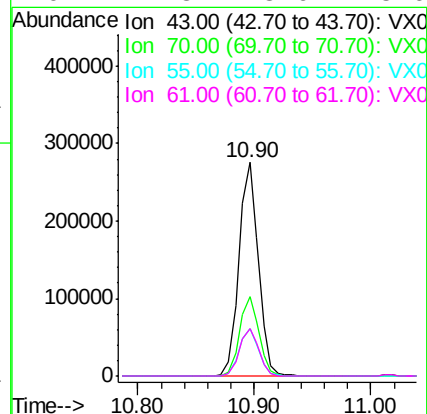
Ion Ratio Lower Upper

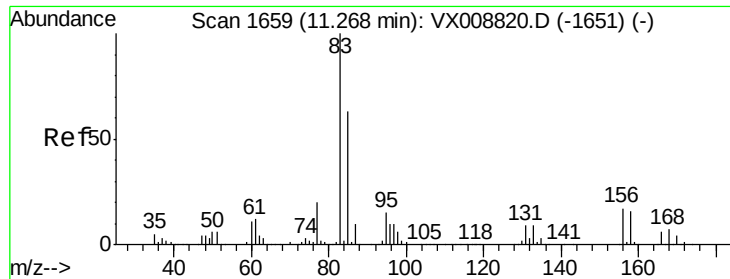
43 100

70 37.1 30.2 45.4

55 22.4 18.2 27.4

61 22.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.943 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

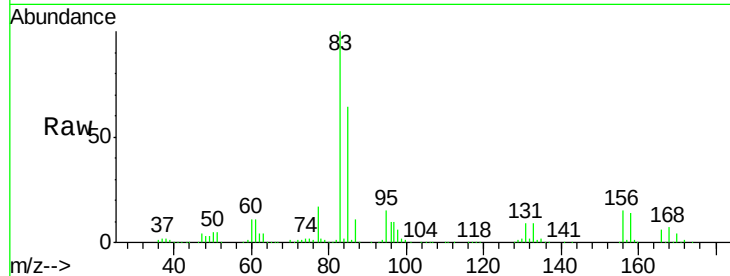
ClientSampleId :

VSTDCCC050

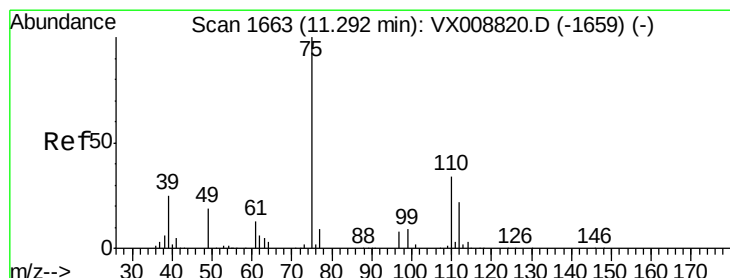
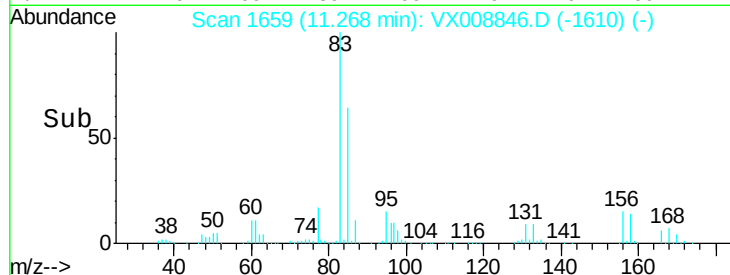
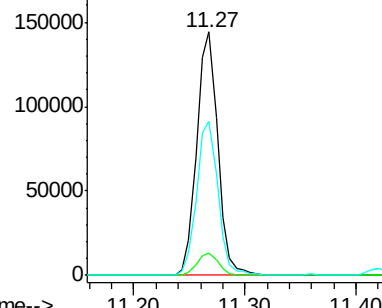
Tot Ion:	83	Resp:	189046
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.7
85	64.4	32.0	96.2

Manual Integrations
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4/12/2019 9:45:40 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 45.933 ug/l m

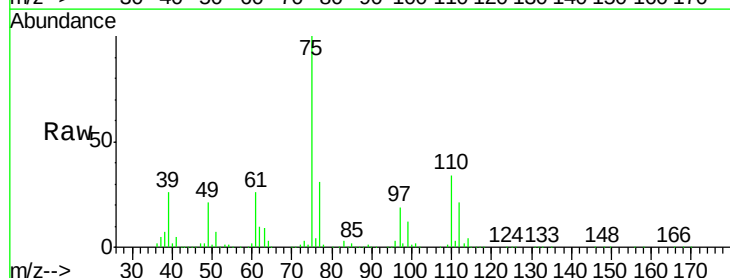
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

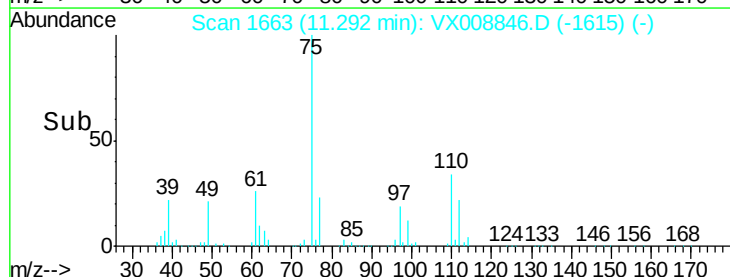
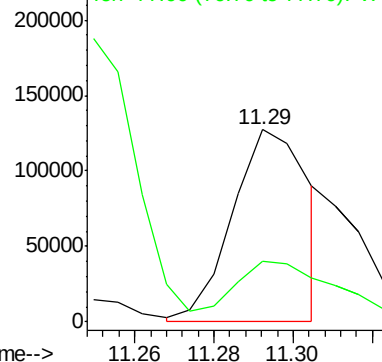
Lab File: VX008846.D

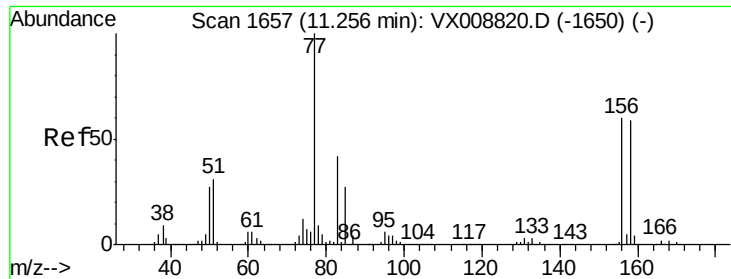
Acq: 11 Apr 2019 12:40

Tgt Ion:	75	Resp:	168402
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.412 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

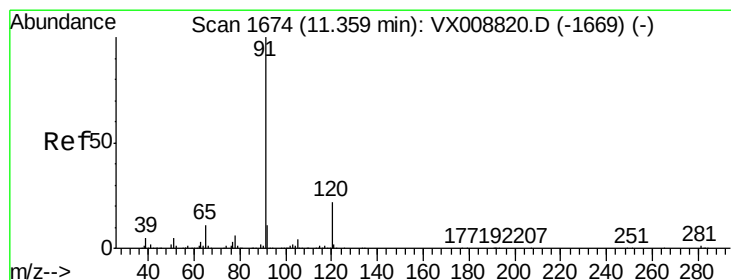
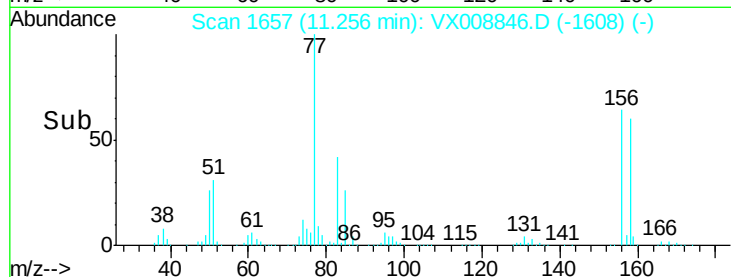
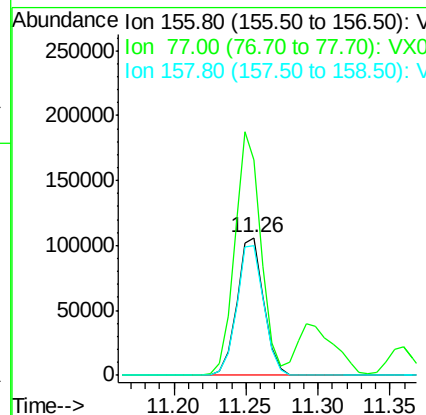
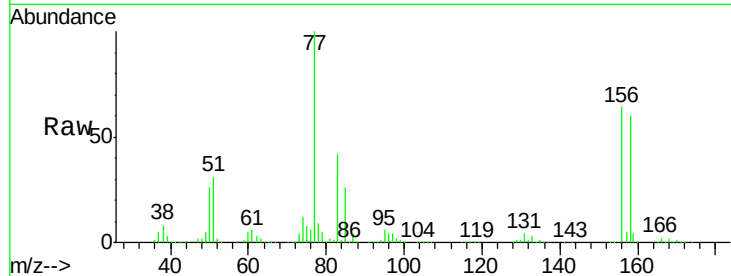
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.9	89.8	269.6
158	96.4	48.6	145.9

Manual Integrations
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MMDadoda
4/12/2019 9:45:40 AM



#78

n-propylbenzene

Concen: 52.437 ug/l

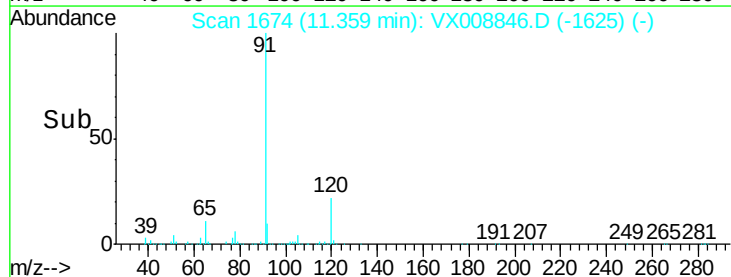
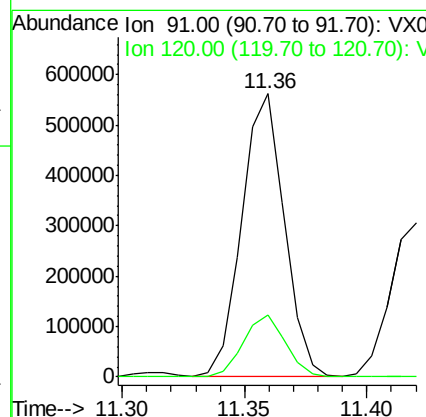
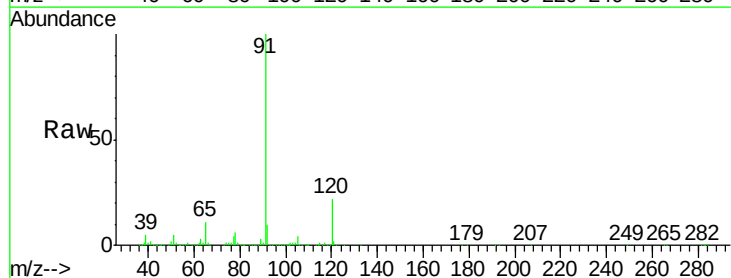
RT: 11.36 min Scan# 1674

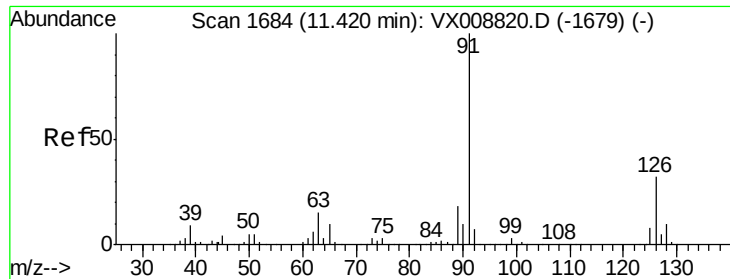
Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.7





#79

2-Chlorotoluene

Concen: 50.107 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 390500

Ion Ratio Lower Upper

91 100

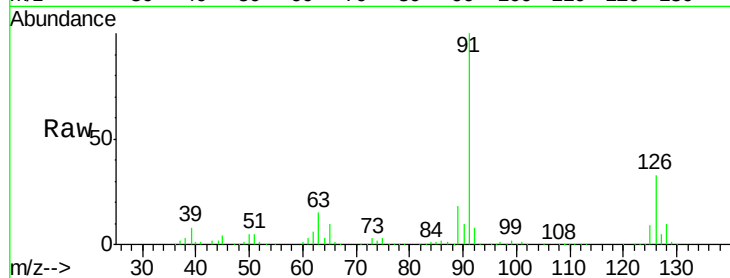
126 32.1 16.1 48.3

Manual Integrations

APPROVED

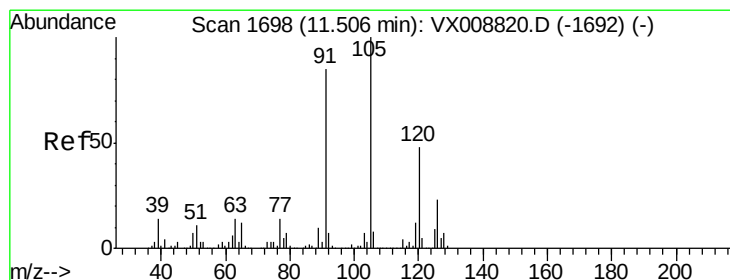
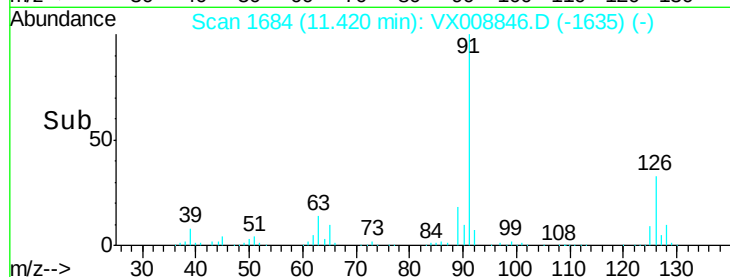
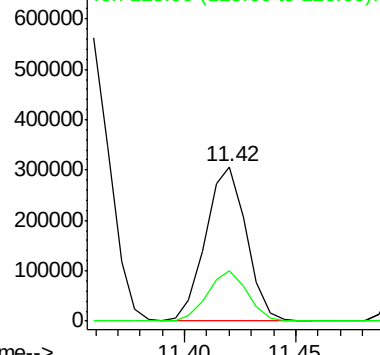
MMDadoda

4/12/2019 9:45:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.864 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008846.D

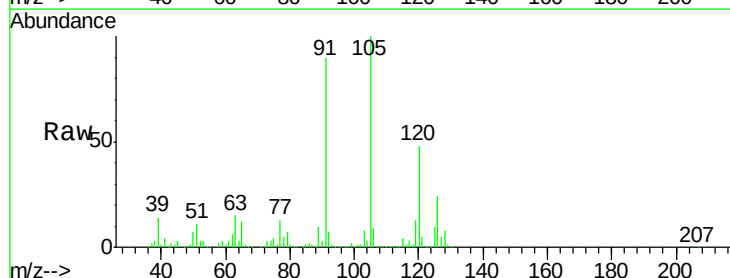
Acq: 11 Apr 2019 12:40

Tgt Ion:105 Resp: 481506

Ion Ratio Lower Upper

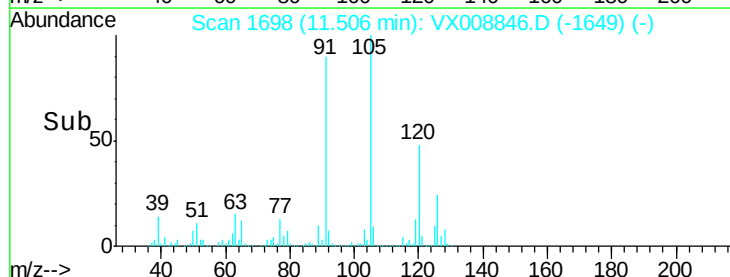
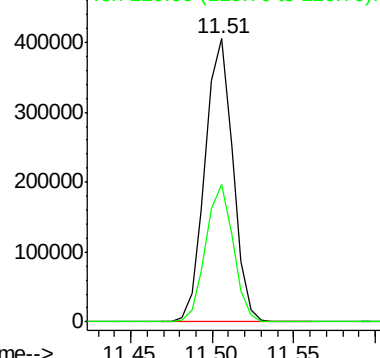
105 100

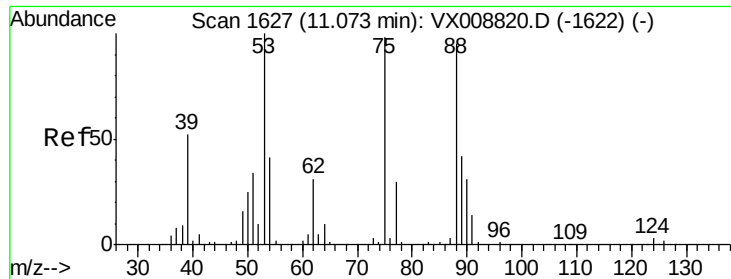
120 48.0 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





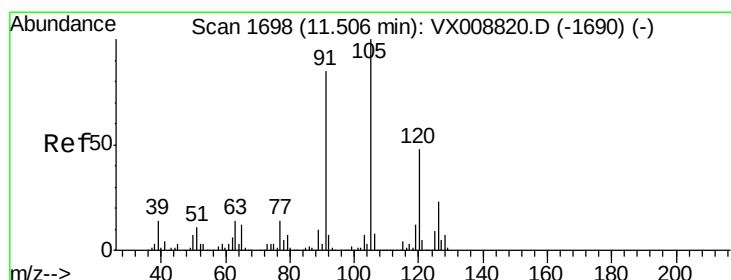
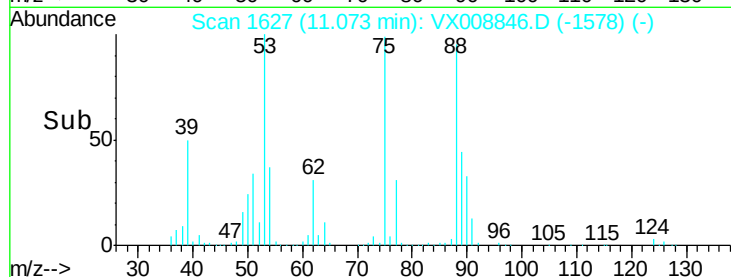
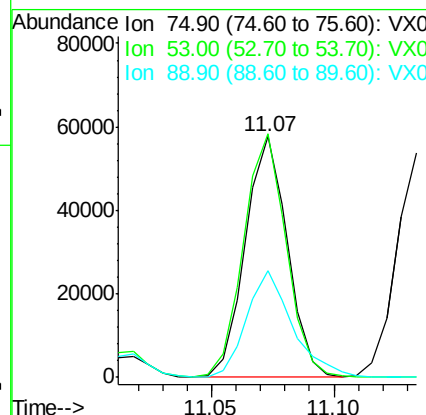
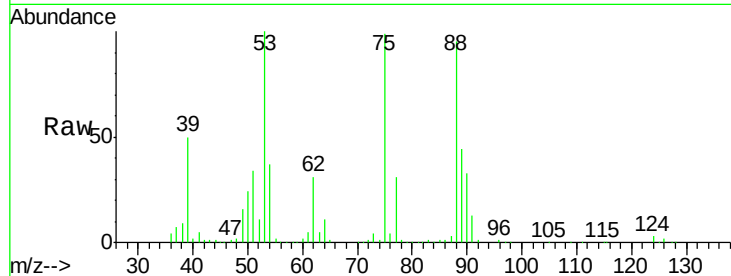
#81
trans-1,4-Dichloro-2-butene
Concen: 51.548 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	81.3	121.9
89	49.3	35.6	53.4

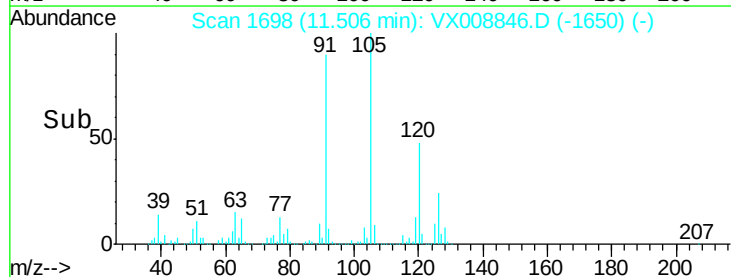
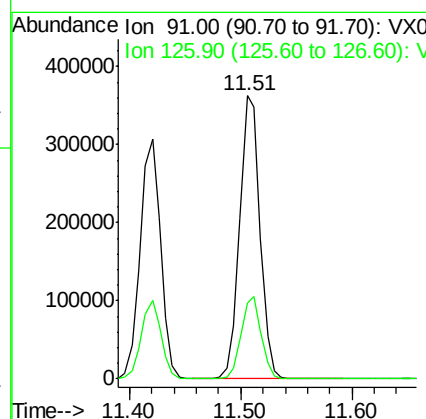
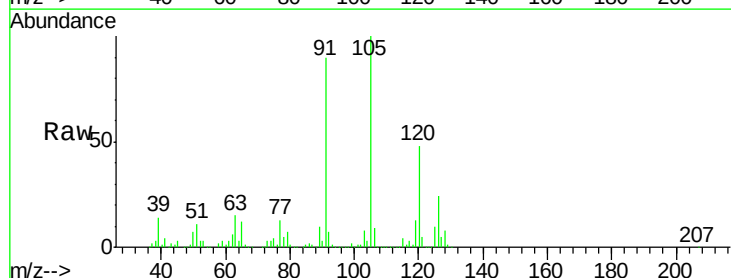
Manual Integrations
APPROVED

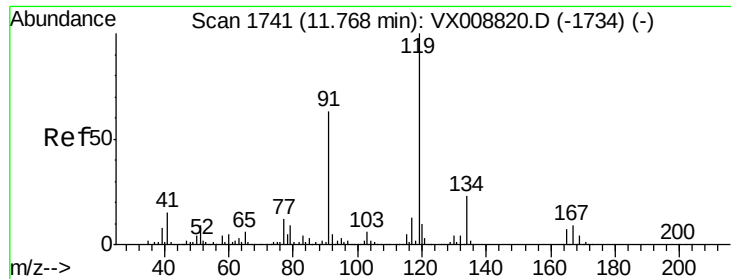
MMDadoda
4/12/2019 9:45:40 AM



#82
4-Chlorotoluene
Concen: 50.691 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	13.9	41.6





#83

tert-Butylbenzene

Concen: 51.116 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

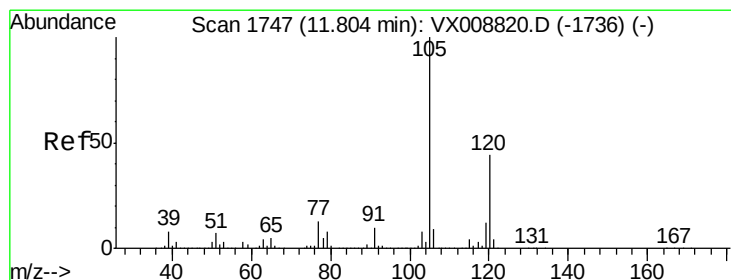
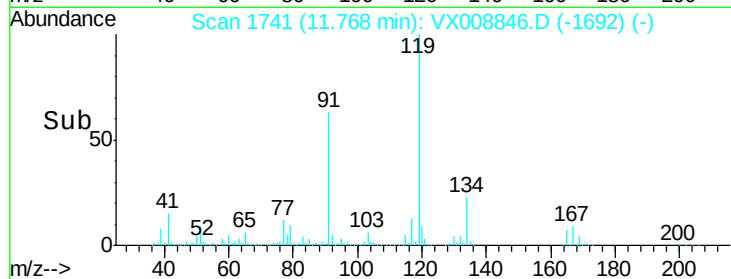
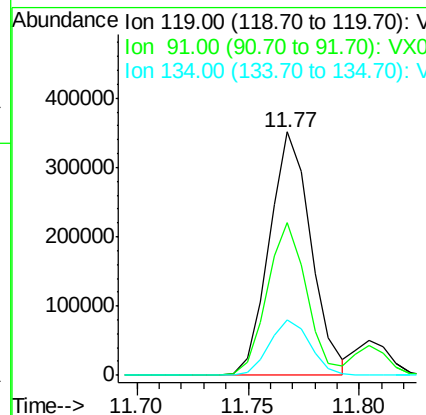
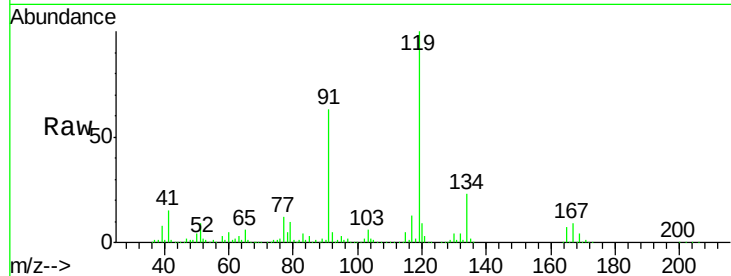
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	456568
Ion Ratio	Lower	Upper	
119	100		
91	59.9	30.0	90.1
134	22.2	11.1	33.3

Manual Integrations
APPROVED

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4/12/2019 9:45:40 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.552 ug/l

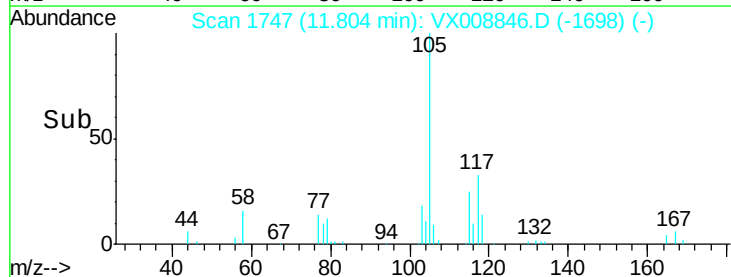
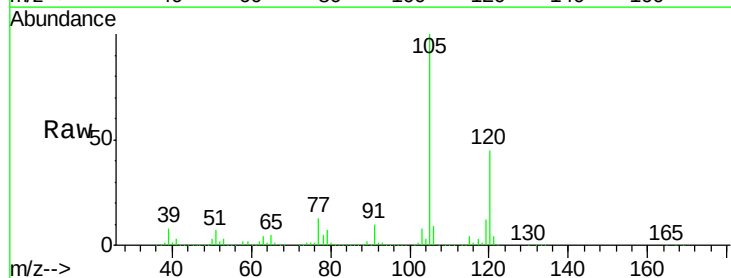
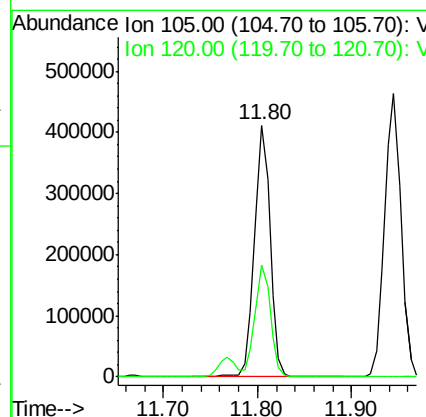
RT: 11.80 min Scan# 1747

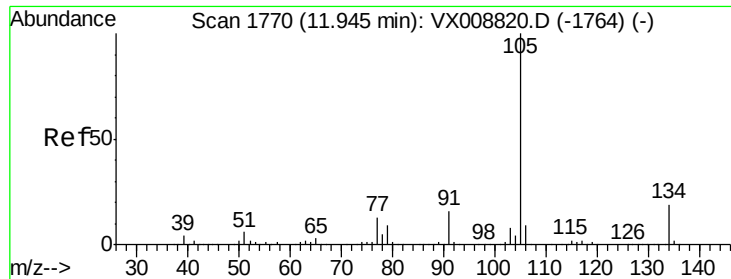
Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Tgt Ion:	105	Resp:	484628
Ion Ratio	Lower	Upper	
105	100		
120	43.6	21.8	65.3





#85

sec-Butylbenzene

Concen: 52.861 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 560837

Ion Ratio Lower Upper

105 100

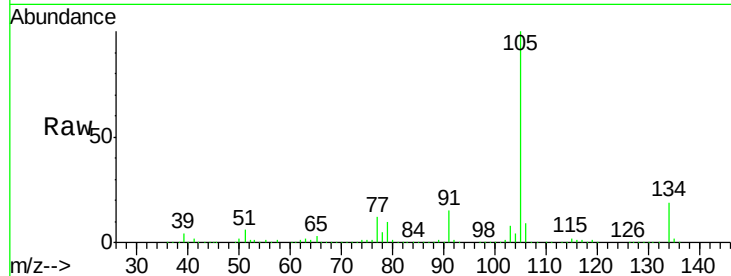
134 19.0 9.4 28.2

Manual Integrations

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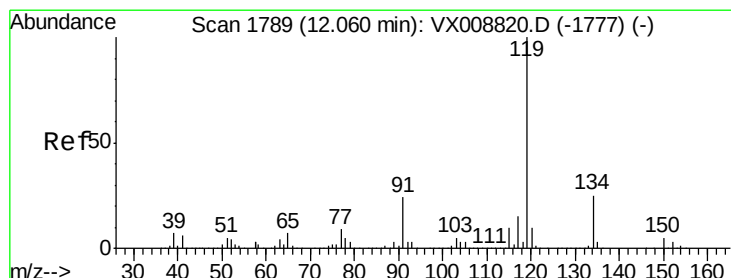
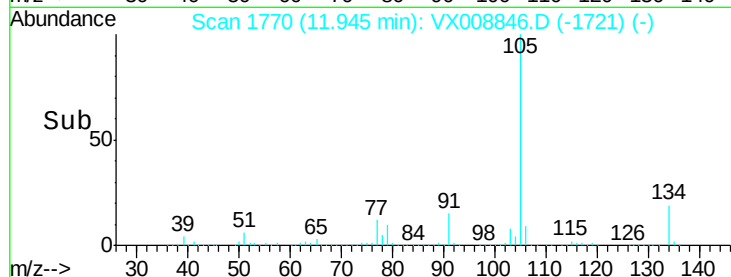
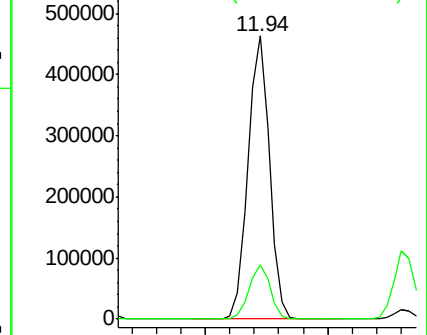
MMDadoda

4/12/2019 9:45:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.922 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008846.D

Acq: 11 Apr 2019 12:40

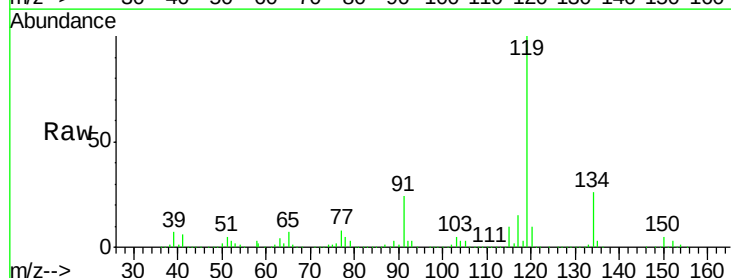
Tgt Ion:119 Resp: 513472

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

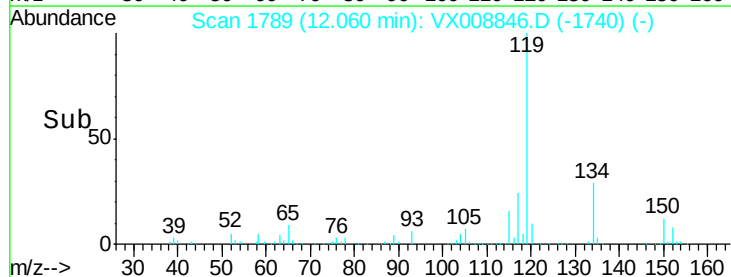
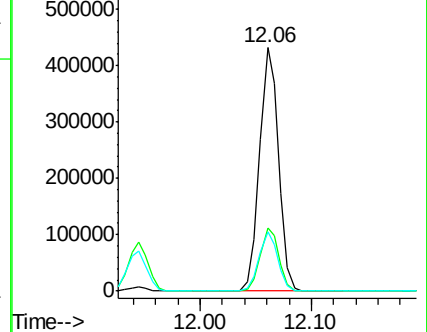
91 23.8 12.2 36.6

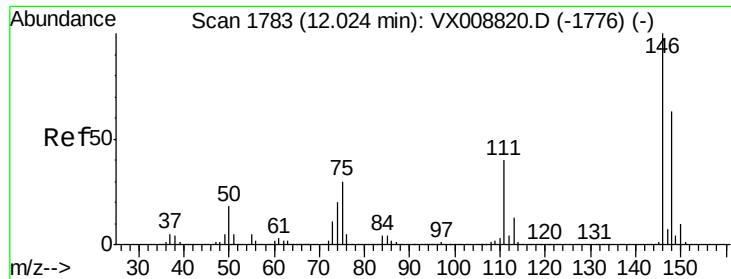


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





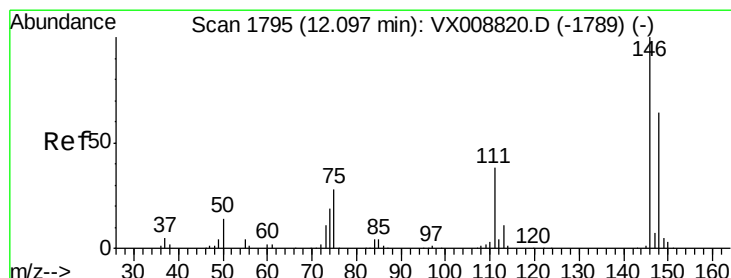
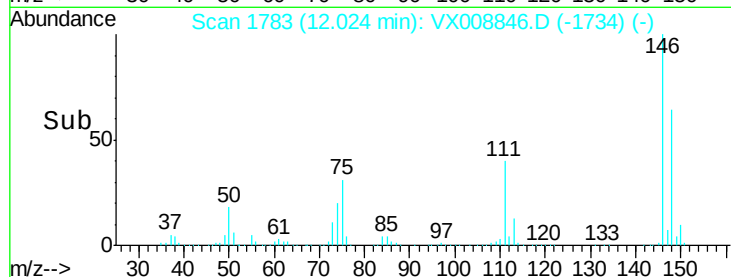
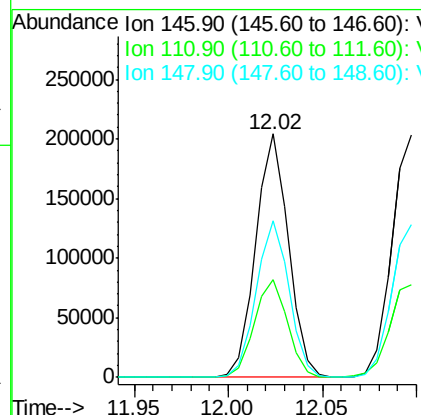
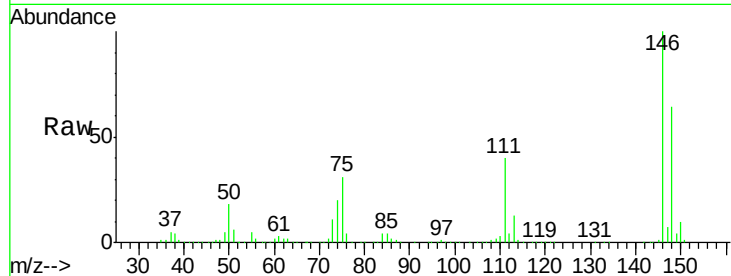
#87
 1,3-Dichlorobenzene
 Concen: 51.563 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	64.5	31.6	94.7

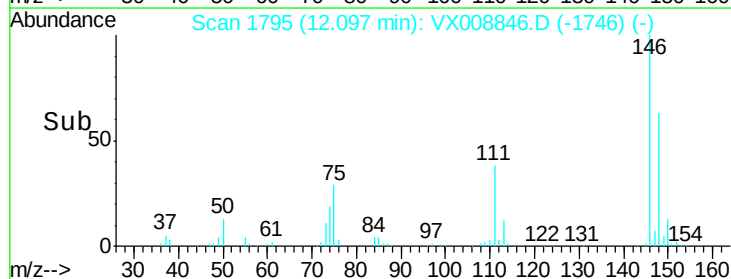
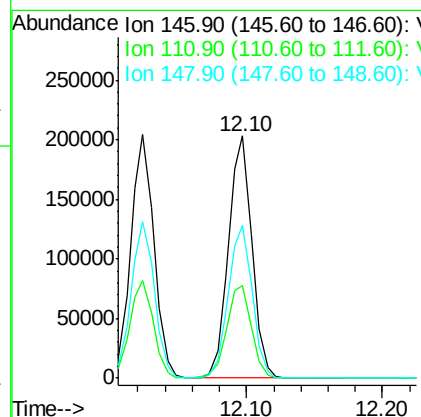
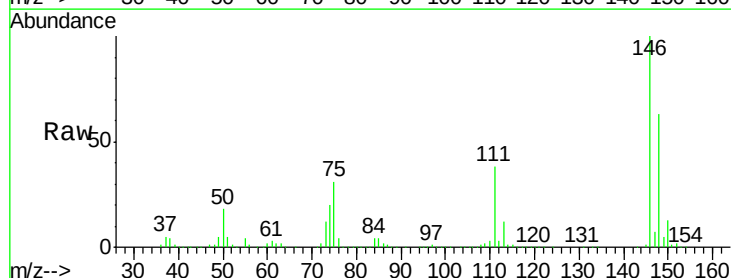
Manual Integrations
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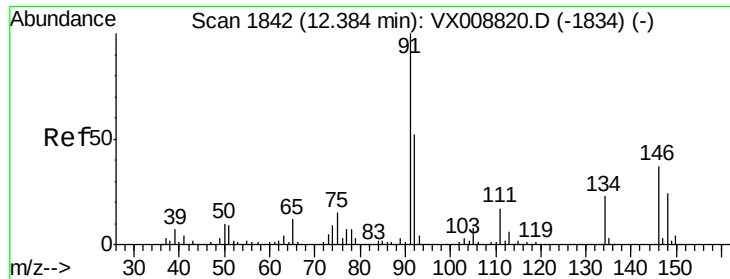
MMDadoda
 4/12/2019 9:45:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.232 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.6
148	64.3	32.0	96.0





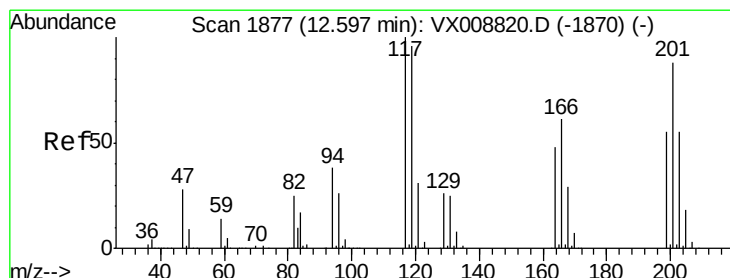
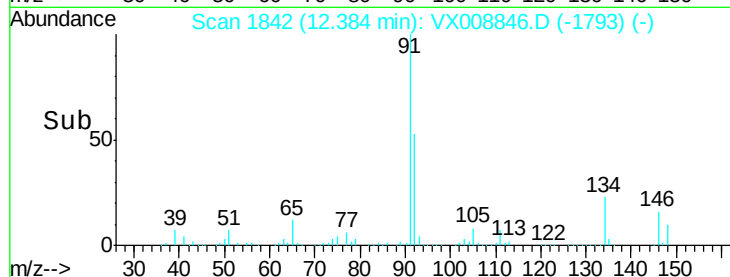
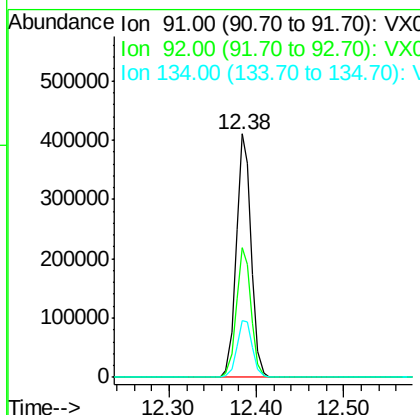
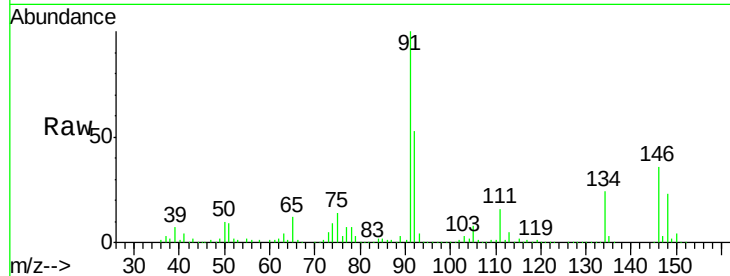
#89
n-Butylbenzene
Concen: 54.694 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	24.4	12.0	36.0

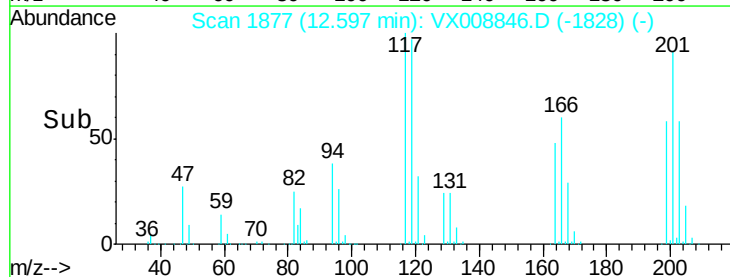
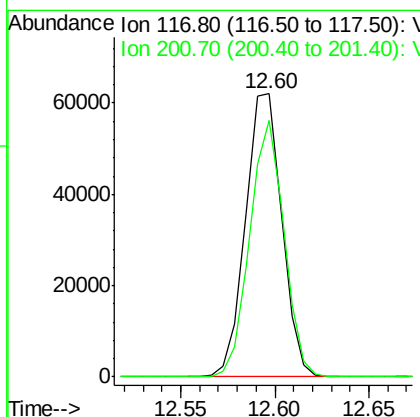
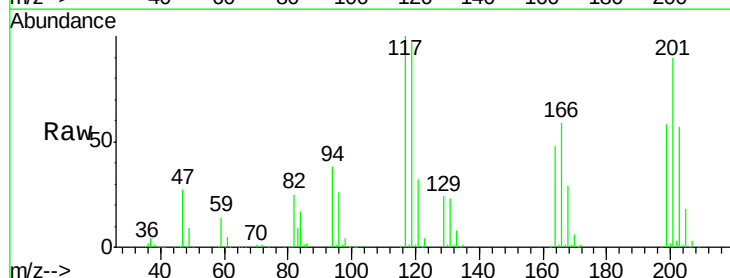
Manual Integrations
APPROVED

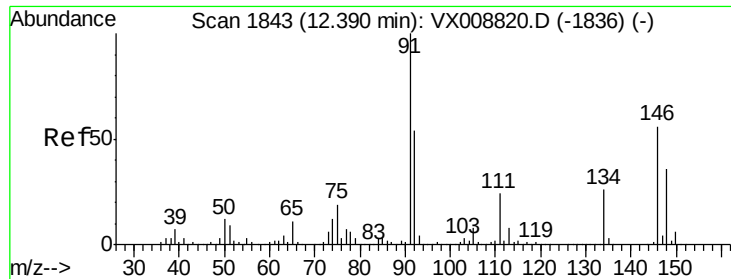
MMDadoda
4/12/2019 9:45:40 AM



#90
Hexachloroethane
Concen: 52.658 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	40.6	122.0





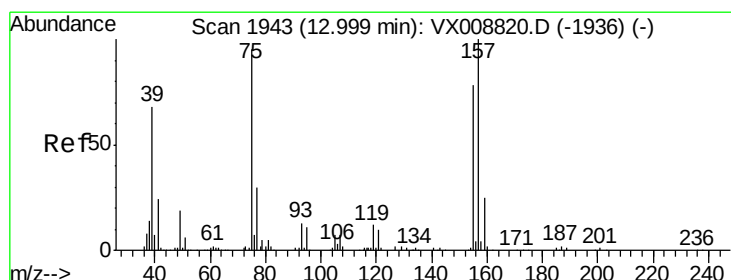
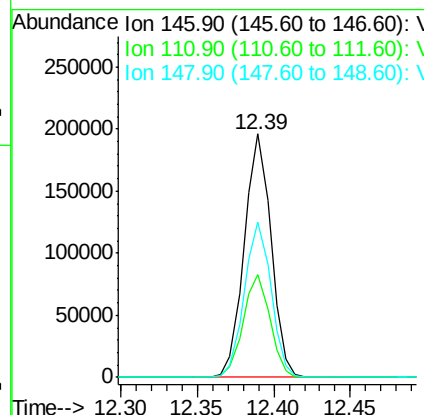
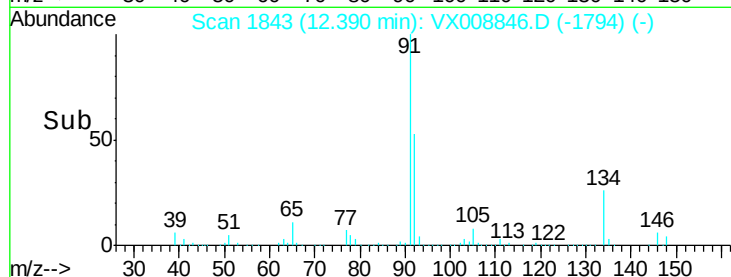
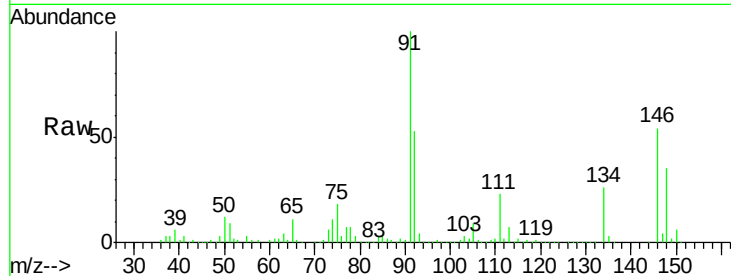
#91
 1,2-Dichlorobenzene
 Concen: 50.382 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.9
148	63.6	31.7	95.1

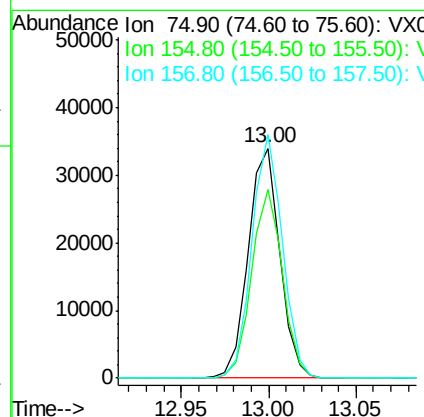
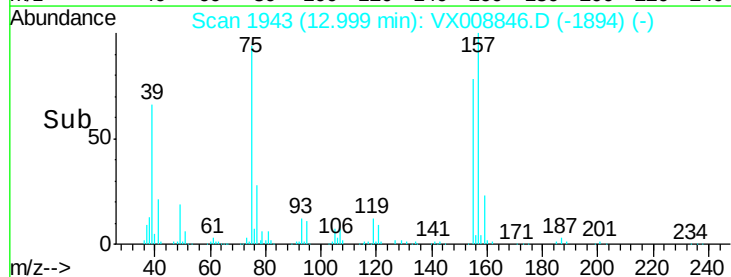
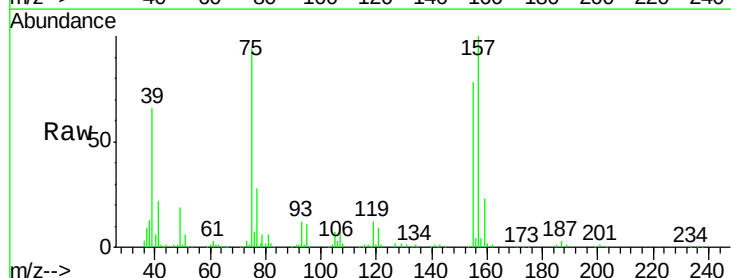
Manual Integrations
 APPROVED

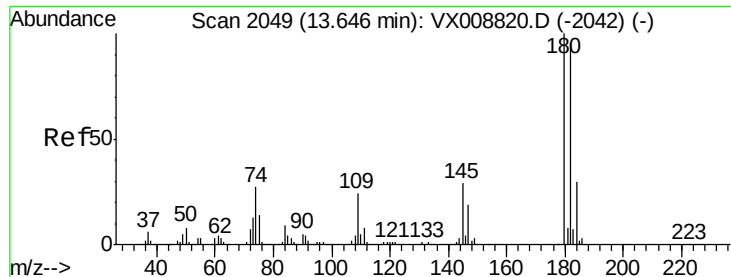
MMDadoda
 4/12/2019 9:45:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.221 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	39.9	119.6
157	102.1	51.5	154.7





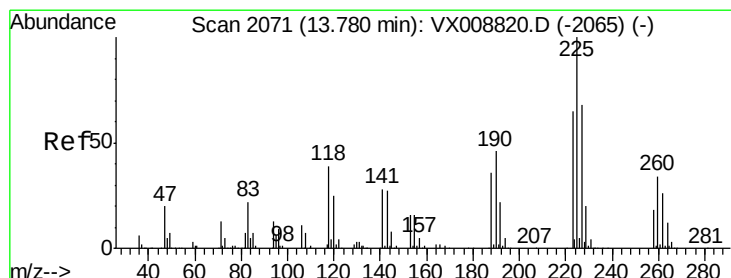
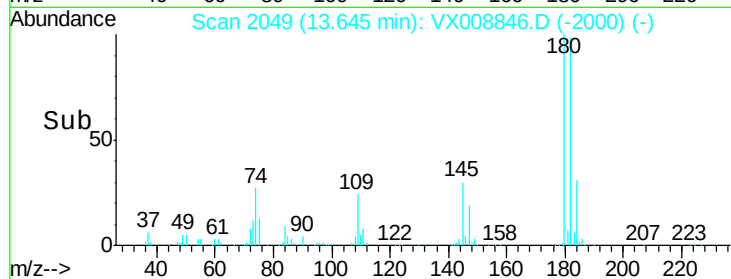
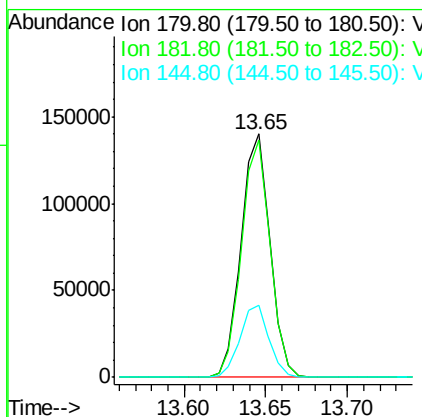
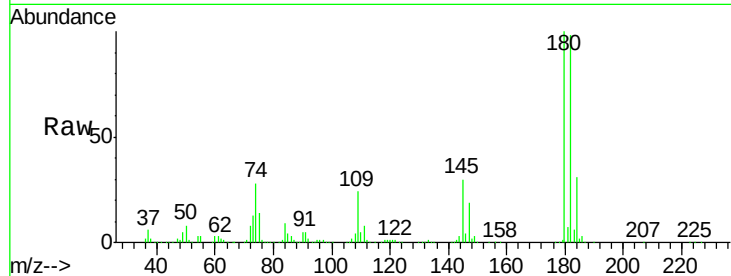
#93
 1,2,4-Trichlorobenzene
 Concen: 52.799 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	173497		
182	96.6	47.2	141.6	
145	29.7	15.3	45.9	

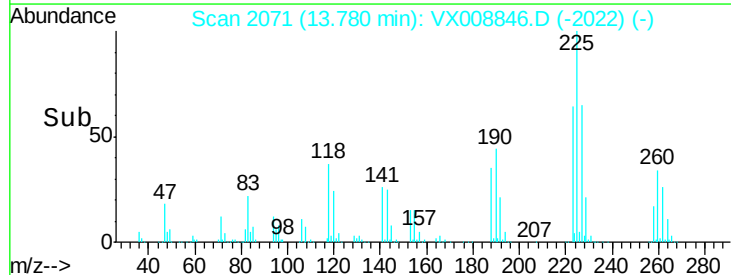
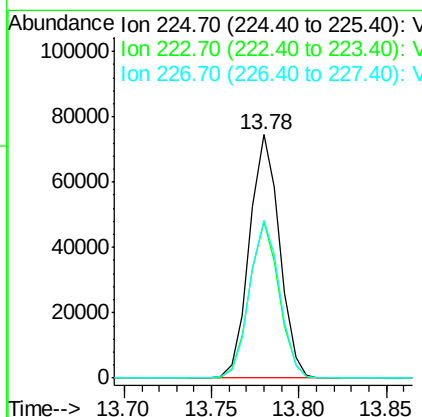
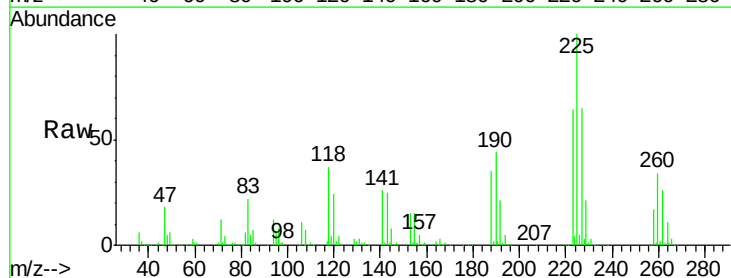
Manual Integrations
 APPROVED

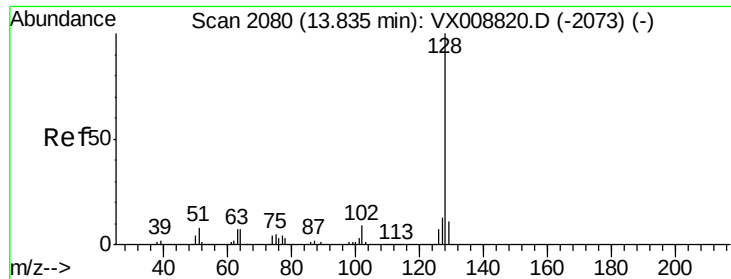
MMDadoda
 4/12/2019 9:45:40 AM



#94
 Hexachlorobutadiene
 Concen: 56.447 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008846.D
 Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88956		
223	63.1	31.2	93.6	
227	64.5	31.9	95.5	





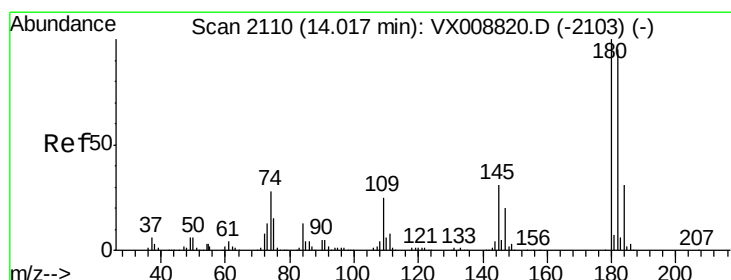
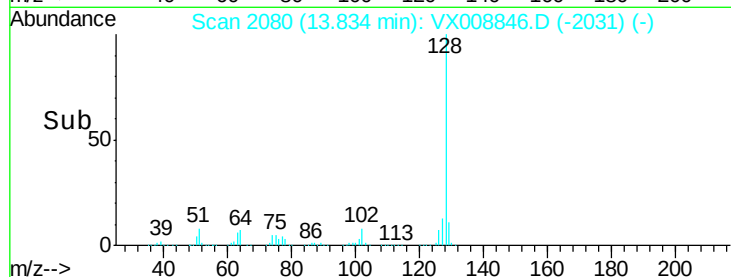
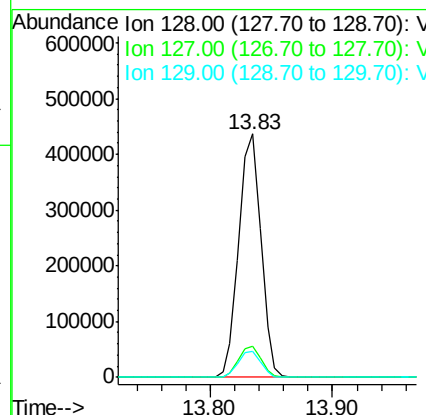
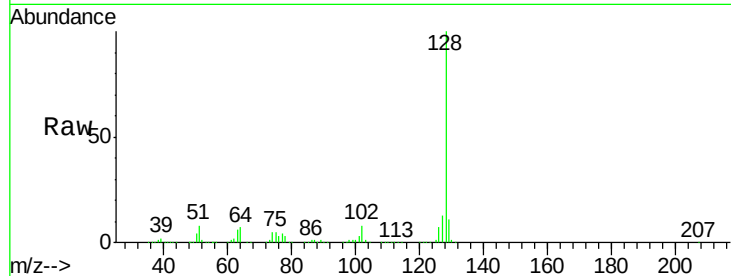
#95
Naphthalene
Concen: 49.803 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	546957		
127	13.2		10.4	15.6
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:45:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.919 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008846.D
Acq: 11 Apr 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	173740		
182	95.2		48.1	144.3
145	30.7		16.3	48.8

